

# Kuipers & Associates

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**Kuipers & Associates, LLC**

Date: March 29, 2009

To: Anaconda Deer Lodge County

From: Kuipers & Associates

Subject: **Ambient Air Quality Monitoring  
Opportunity and Warm Springs Sites  
February 2009 Monthly Report**

This February 2009 report documents the ambient air quality monitoring program conducted by Kuipers & Associates on behalf of Anaconda Deer Lodge County at the Opportunity and Warm Springs locations adjacent to the Atlantic Richfield Lower Waste Management Area. Total Suspended Particulate (TSP) is monitored at Opportunity, and PM10 at Warm Springs. Additionally, wind speed, wind direction, temperature and relative humidity are monitored at both sites.

Glass pie pans have been in place since August 15, 2008 at both sites to capture settling dust. The dust is being collected onto filters using a personal sampling pump, in conjunction with twice-weekly site visits. The second set of preliminary results was obtained in early February, and is attached to this report. At Opportunity, the preliminary calculated arsenic concentration is 225 mg/kg and the calculated lead concentration is approximately 197 mg/kg. At Warm Springs, the preliminary calculated arsenic concentration is 56 mg/kg and the calculated lead concentration is approximately 78 mg/kg.

All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan. Results for the month are summarized as follows:

- Hourly average data were collected continuously by the monitors from February 1<sup>st</sup> through February 28<sup>th</sup>, with 99.7% availability for TSP at the Opportunity location and 99.3% availability for PM10 at the Warm Springs location.
  - Downtime at the Opportunity location occurred on February 2 at 13:00 MST and on February 20 at 17:00 MST for monthly calibration checks and routine maintenance.
  - Downtime at the Warm Springs location occurred on February 2 at 12:00 MST, on February 12 from 13:00 MST through 14:00 MST, and on February 20 at 16:00 MST for monthly calibration checks and routine maintenance. Additional downtime occurred on February 11 at 11:00 MST because the sampler flow rate was outside acceptance limits.
- The hourly average data record for the month is attached to the end of this report. Current data is available for real-time electronic download on demand, and public viewing at:

<http://ka.airsis.com/vision/login.aspx?ReturnUrl=%2fvision%2fDefault.aspx> (Username = ADLC, Password = OCPA).

- Monthly and quarterly air monitoring reports from June 2007 through present are now available on the County's website at:  
[http://anacondadeerlodge.mt.gov/super/info.aspx#q\\_reports](http://anacondadeerlodge.mt.gov/super/info.aspx#q_reports).
- At the Opportunity location the maximum TSP reading for the period on a daily average basis was 13  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration for February was 6  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 130  $\mu\text{g}/\text{m}^3$ . This value was associated with light northerly winds. The four highest daily and hourly maximum values are summarized in Table 1, and the average daily data for the month is attached together with meteorological information in Table 3.
- At the Warm Springs location the maximum PM10 reading for the period on a daily average basis was 13  $\mu\text{g}/\text{m}^3$ , and the average monthly concentration for February was 2  $\mu\text{g}/\text{m}^3$ . The maximum reading for the period on an hourly average basis was 99  $\mu\text{g}/\text{m}^3$ . This value was associated with light northeasterly winds. The four highest daily and hourly maximum values are summarized in Table 2, and the average daily data for the month is attached together with meteorological information in Table 4.

**Table 1**  
**Opportunity Site TSP Maximum Data, February 2009**

Maximum	TSP ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	13	2/20/2009	5.6	357
Daily 2nd Max	13	2/26/2009	5.0	293
Daily 3rd Max	11	2/9/2009	3.6	26
Daily 4th Max	10	2/17/2009	3.4	342
Hourly 1st Max	130	2/26/2009 17:00	5.8	2
Hourly 2nd Max	114	2/20/2009 12:00	12.8	27
Hourly 3rd Max	83	2/26/2009 13:00	7.2	17
Hourly 4th Max	44	2/26/2009 15:00	8.1	293

**Table 2**  
**Warm Springs Site PM10 Maximum Data, February 2009**

Maximum	PM10 ( $\mu\text{g}/\text{m}^3$ )	Date & Time (MST)	Wind Speed (mph)	Wind Direction (deg)
Daily 1st Max	13	2/26/2009	4.8	134
Daily 2nd Max	5	2/9/2009	2.3	29
Daily 3rd Max	5	2/28/2009	1.8	358
Daily 4th Max	4	2/20/2009	4.2	304
Hourly 1st Max	99	2/26/2009 17:00	3.8	51
Hourly 2nd Max	38	2/26/2009 16:00	4.3	41
Hourly 3rd Max	37	2/26/2009 20:00	3.4	38
Hourly 4th Max	32	2/26/2009 19:00	3.4	34

- There are no Montana or Federal air quality standards for TSP; both were replaced by the current PM10 standard in 1987. Prior to 1987 the Montana annual TSP standard was 75  $\mu\text{g}/\text{m}^3$ , the 24-hour standard was 200  $\mu\text{g}/\text{m}^3$  and there was no hourly standard. TSP results for February at Opportunity were below these historical standards. Monitoring for PM10 from May 2007 through June of 2008 showed that PM10 concentrations were consistently below regulatory levels. To facilitate comparison with previously collected PM10 data, the TSP data are being reported at Local temperature and pressure conditions.
- At the Warm Springs monitoring site daily average PM10 results for the month of February were well below the 24-hour Montana Ambient Air Quality Standard of 150  $\mu\text{g}/\text{m}^3$ . The average monthly concentration was below the annual PM10 standard of 50  $\mu\text{g}/\text{m}^3$ . There currently is no State or Federal standard for hourly PM10 data.
- Precipitation for the month was below average according to Butte airport records.
- Wind roses are attached to graphically depict prevailing winds.
  - Figure 1 shows the Opportunity location, where the predominant wind directions in February were from the southwest quadrant.
  - Figure 2 shows the Warm Springs location, where the predominant wind directions were southerly.
- If a dust storm event or nuisance dust in general is observed, please contact us so that we may respond, and try to quantify and document the problem. We are available seven days per week 24 hours per day and ask that you contact the following (in order) until someone is notified.

**Dust Event Contacts:**

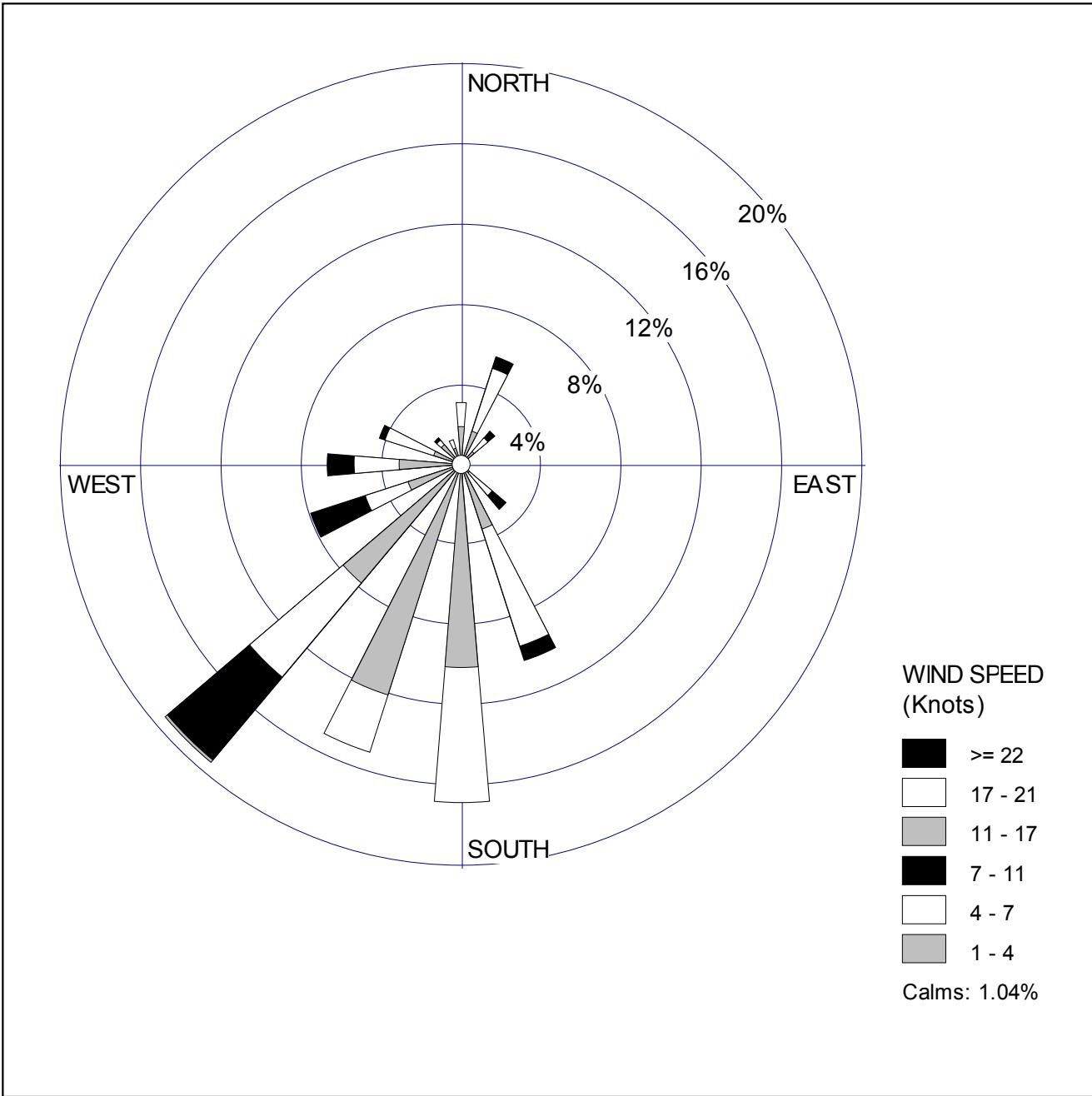
Steve Heck	498-4199
David Dobrinien	490-9205
Jim Kuipers	782-3441, then 459-0445
Sarah Zuzulock	585-9932, then 581-1355

**Table 3**  
**Opportunity Site Daily Average Data**

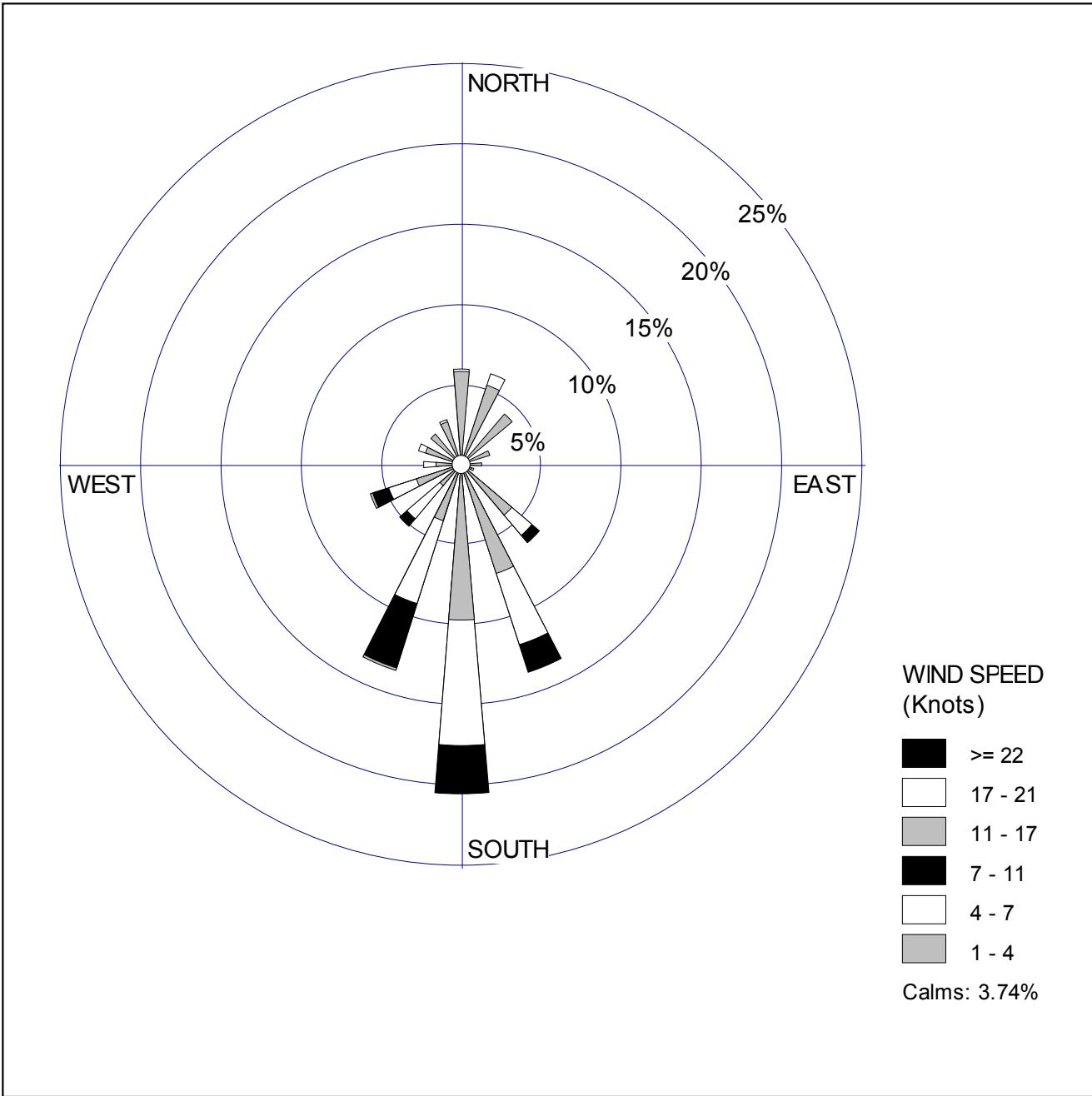
Date	TSP Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
February 1, 2009	3	3.0	6.6	246	-3.0	26.7	45
February 2, 2009	6	3.1	6.9	244	2.2	36.0	60
February 3, 2009	4	2.4	5.4	183	4.4	39.9	58
February 4, 2009	5	3.1	6.9	182	4.4	39.9	44
February 5, 2009	6	2.6	5.8	172	4.2	39.6	46
February 6, 2009	2	2.7	6.0	229	2.8	37.1	54
February 7, 2009	6	1.4	3.2	285	-0.2	31.7	72
February 8, 2009	6	1.4	3.1	194	-2.7	27.1	66
February 9, 2009	11	1.6	3.6	26	-1.8	28.8	68
February 10, 2009	2	2.2	4.9	281	-3.8	25.2	51
February 11, 2009	3	1.7	3.8	215	-5.0	22.9	61
February 12, 2009	7	1.4	3.2	172	-4.6	23.7	63
February 13, 2009	8	2.0	4.4	158	-5.9	21.3	61
February 14, 2009	9	1.4	3.1	152	-6.7	20.0	67
February 15, 2009	3	2.6	5.8	179	-3.0	26.5	60
February 16, 2009	5	2.4	5.4	163	1.1	34.0	49
February 17, 2009	10	1.5	3.4	342	-0.1	31.8	61
February 18, 2009	5	2.4	5.3	275	1.4	34.5	59
February 19, 2009	2	3.3	7.4	232	2.0	35.6	50
February 20, 2009	13	2.5	5.6	357	0.3	32.5	51
February 21, 2009	9	1.9	4.3	190	-0.6	30.9	53
February 22, 2009	7	2.1	4.7	181	3.7	38.6	46
February 23, 2009	6	2.9	6.5	206	6.9	44.4	52
February 24, 2009	2	2.4	5.3	223	3.1	37.6	72
February 25, 2009	2	2.4	5.4	216	3.0	37.4	58
February 26, 2009	13	2.3	5.0	293	-1.1	29.9	69
February 27, 2009	3	2.9	6.4	275	-6.1	21.0	61
February 28, 2009	7	1.6	3.6	188	-5.0	23.0	63

**Table 4**  
**Warm Springs Site Daily Average Data**

Date	PM10 Daily ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Daily (meters per second)	Wind Speed Daily (miles per hour)	Wind Direction Daily (degrees true)	Air Temperature Daily (Celsius)	Air Temperature Daily (Fahrenheit)	Relative Humidity Daily (percent)
February 1, 2009	1	2.5	5.6	226	-2.8	26.9	45
February 2, 2009	2	2.1	4.7	222	1.2	34.2	61
February 3, 2009	1	1.8	4.1	176	3.6	38.4	59
February 4, 2009	1	2.9	6.5	184	5.1	41.1	40
February 5, 2009	2	3.0	6.8	162	4.9	40.7	43
February 6, 2009	2	2.7	5.9	207	2.8	37.1	53
February 7, 2009	2	1.2	2.6	55	-0.2	31.7	73
February 8, 2009	3	1.4	3.2	187	-3.0	26.6	68
February 9, 2009	5	1.0	2.3	29	-2.3	27.9	69
February 10, 2009	0	1.1	2.5	26	-4.3	24.3	56
February 11, 2009	2	1.5	3.4	206	-5.0	23.0	62
February 12, 2009	2	1.6	3.5	177	-4.9	23.2	67
February 13, 2009	1	1.4	3.2	158	-5.8	21.6	62
February 14, 2009	3	0.8	1.9	52	-7.5	18.6	70
February 15, 2009	0	2.6	5.8	176	-3.2	26.2	59
February 16, 2009	0	2.7	6.1	161	1.7	35.1	46
February 17, 2009	3	0.9	2.0	14	-0.8	30.6	65
February 18, 2009	1	2.2	4.8	261	1.3	34.4	61
February 19, 2009	0	2.8	6.2	210	2.1	35.8	48
February 20, 2009	4	1.9	4.2	304	0.5	32.9	52
February 21, 2009	3	1.7	3.8	173	-1.2	29.9	56
February 22, 2009	3	2.1	4.7	165	2.7	36.9	49
February 23, 2009	2	3.9	8.8	188	7.2	45.0	49
February 24, 2009	2	2.6	5.9	202	3.2	37.7	71
February 25, 2009	0	2.8	6.3	190	3.1	37.5	58
February 26, 2009	13	2.1	4.8	134	-1.4	29.6	72
February 27, 2009	-1	1.3	2.9	76	-6.5	20.3	68
February 28, 2009	5	0.8	1.8	358	-7.6	18.3	69



**Figure 1. Wind Rose (percent of time blowing from indicated direction) for Opportunity EBAM Site February 2009.**



**Figure 2. Wind Rose (percent of time blowing from indicated direction) for Warm Springs EBAM Site February 2009.**



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## **MEMORANDUM – Opportunity / Warm Springs Settled Dust Sampling Event – Draft**

**Submitted by Steve Heck, Blacktail Consulting, Inc.**

**February 10, 2009**

*This memorandum describes the preliminary results of initial settled dust sampling conducted at the Opportunity and Warm Springs air monitoring sites on behalf of Kuipers and Associates, and Anaconda-Deer Lodge County. All data, discussion and conclusions provided in this report are preliminary and will undergo a complete quality assurance review prior to issuance of final results in quarterly and annual reports in accordance with the project Sampling and Analysis Plan.*

### **1. SAMPLE COLLECTION**

On October 2, 2008, clean 9-inch diameter Pyrex dishes were set out at both sites at a height of approximately 7 feet to capture and retain settling dust. A personal sampling pump supplied by SKC, Inc. was used to vacuum any settled dust from the dishes during twice-weekly site visits. Vacuuming could not be performed when standing water was present. In those instances, the water was allowed to evaporate, and vacuuming was performed at the next opportunity.

The vacuumed dust was collected onto 37-mm diameter, matched weight mixed cellulose ester (MCE) filter cassettes. The filters were recommended by the manufacturer for applications involving trace element analyses. The matched filter weights allow one to avoid filter pre-weighing. The total dust determination is made by simply weighing the two filters following sampling; the difference in their weights equals the mass of dust collected.

The Pyrex dishes were vacuumed for the last time on November 28, and the cassettes were submitted to the MSE Laboratory for analysis. In addition to total dust weight, the samples were analyzed for arsenic, cadmium, copper, lead and zinc.

### **2. ANALYTICAL PROCEDURES**

Following weighing, the exposed filters were digested using Method SW-846 3050B for soils, and analyzed for trace metals by ICP Mass Spectrometer (ICP-MS) using Method SW-846 6020A. Two blank sampling cassettes (consisting of a total of four sample filters) were analyzed

previously to provide background concentrations for the MCE filters.

### **3. ANALYTICAL RESULTS**

Analytical results for these samples are presented in Table 1.

#### **3.1 Filter Weights**

The filters were weighed on an enclosed balance with a resolution of 0.0001 grams (0.1 mg). Results are shown in Section A of Table 1. The “Tare” filter weight is the weight of the unexposed matched weight filter, and the “Exposed” weight is the weight of the filter dust was collected on. The net dust weight is calculated as the difference between these values.

The mass of dust collected on each filter was less than 1 mg. With the approach of winter, the decision was made to analyze whatever had been collected since October 2, as the Pyrex dish was likely to contain snow and/or snowmelt for much of the time over the next few months. Also, once the cassette has been disassembled for filter weighing, it cannot be reassembled with any assurance that the collected particulate will remain in place, or that filter material won’t be compromised.

#### **3.2 Trace Element Results**

The trace element results are presented in Section B of Table 1. The “Total” results represent the trace element concentrations in the exposed filter – which includes contributions from both the filter material and the collected dust. Four blank filters were analyzed for trace elements in the fall of 2008, and overall blank concentrations calculated; these values are shown in the column labeled “Blank.” Next, net filter trace element concentrations were calculated by subtracting the blank values from the total values. The net results represent the average trace element concentrations throughout the filter based solely on the contribution from the collected dust.

#### **3.3. Trace Element Concentrations in Dust**

The net trace element concentrations in Section B are for the entire exposed filter mass. Trace element concentrations in the collected dust were calculated using the net trace element results, the exposed filter weight and the collected dust weight. For the Opportunity site, the net dust weight was 0.0007 grams, while the total weight of the exposed MCE filter was 0.0475 grams. The following example illustrates the calculation used to determine trace element concentrations in the exposed dust:

- Concentration of arsenic over the entire exposed filter was 3.31 mg/kg. Therefore, the amount of arsenic present was  $3.31 \text{ mg/kg} \times 0.0475 \text{ g}$ , or  $1.572 \times 10^{-4} \text{ mg}$ .
- Because all of this net arsenic concentration was contained in the dust portion, the arsenic concentration in dust was  $1.572 \times 10^{-4} \text{ mg} / 0.0007 \text{ g}$ , or 225 mg/kg.

The concentrations of other trace elements in the dust were calculated using the same approach. Results are summarized in Section C.

Disassembly and weighing of the filter cassettes proceeded smoothly for these samples, and no analytical issues were encountered. However, the resolution of the results is questionable because the amount of dust collected was very small. The calculated analyte reporting limits are quite high; many of the calculated trace element concentrations are not much higher than – and in some cases less than – these limits. All of the trace element concentrations are less than ten times their respective reporting limits.

At Opportunity, the calculated arsenic concentration of 225 mg/kg is only about twice the reporting limit, while the lead concentration of 197 mg/kg was approximately 14 times higher. At Warm Springs, the calculated arsenic concentration of 56.1 was only one-third of the reporting limit (though above the method detection limit), while the lead result of 77.6 mg/kg was about four times the reporting limit.

#### **4. RECOMMENDATIONS FOR FUTURE SAMPLING AND ANALYSIS**

The laboratory analysis proceeded smoothly for these filters. However, the results presented herein must be considered of screening-level quality, because of uncertainties introduced by the small masses of dust collected. This was largely a consequence of the weather. The dishes contained snow and/or snowmelt much of the time, and were dumped several times to improve the prospect for collection of dust on future site visits. This no doubt resulted in the loss of settled dust. Additionally, the ground was wet and/or snow covered during much of the data collection period, decreasing the potential for windblown dust.

Increasing the collected dust mass would improve the precision of the analytical results. This could be accomplished by increasing the sampling duration, although it must be noted that the samples discussed herein were collected over a period of nearly two months. Dust collection should become easier in the coming months, as 1) higher temperatures will lead to increased evaporation, and 2) decreased snow cover may increase the amount of windblown dust. In fact, the dust collection dishes have been largely dry since the beginning of January, and vacuuming has been performed on about half of the site visits.

Alternatively, a larger-diameter collection surface could be used. Increasing the dish diameter from 9 to 13 inches, for example, would double the collection surface area. It may be necessary to set a dust mass limit for subsequent trace element analyses, both to improve the relative precision of the weighing procedure and to lower the detection limit for subsequent trace element analyses.

**TABLE 1 - OPPORTUNITY / WARM SPRINGS SETTLED DUST SAMPLE RESULTS**  
**(Sampling conducted 10-2-2008 through 11-28-2008)**

**A. Filter Weight Data**

Opportunity Analyzed Filter Weight (g)	0.0475
Opportunity Tare Filter Weight (g)	0.0468
Opportunity Net Particulate Weight (g)	0.0007
Warm Springs Analyzed Filter Weight (g)	0.0509
Warm Springs Tare Filter Weight (g)	0.0504
Warm Springs Net Particulate Weight (g)	0.0005

**B. Trace Element Results**

Analyte	<i>Opportunity</i>			<i>Warm Springs</i>			Blank (1) Average Conc. (mg/kg)
	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	Total Filter Conc. (mg/kg)	Net Filter Conc. (mg/kg)	Reporting Limit (mg/kg)	
<i>As</i>	3.31	3.31	1.58	0.551	0.551	1.47	ND
<i>Cd</i>	0.161	0.154	0.105	ND	ND	0.098	0.007
<i>Cu</i>	11.7	11.4	1.32	3.31	2.993	1.23	0.317
<i>Pb</i>	2.97	2.90	0.211	0.762	0.688	0.196	0.074
<i>Zn</i>	29.0	16.8	3.16	6.40	-5.8	2.95	12.2

(1) Blank concentration based on average of four unexposed filters

**C. Calculated Trace Element Concentrations in Particulate**

Analyte	<i>Opportunity</i>			<i>Warm Springs</i>			(1) Reporting Limit (mg/kg)
	Net Filter Conc. (mg/kg)	<i>Net Particulate Conc. (mg/kg)</i>	Reporting Limit (mg/kg)	Net Filter Conc. (mg/kg)	<i>Net Particulate Conc. (mg/kg)</i>	Reporting Limit (mg/kg)	
<i>As</i>	3.31	<b>225</b>	107	0.551	<b>56.1</b>	150	
<i>Cd</i>	0.154	<b>10.5</b>	7.13	ND	<b>ND</b>	9.98	
<i>Cu</i>	11.383	<b>772</b>	89.6	3.31	<b>337</b>	125	
<i>Pb</i>	2.896	<b>197</b>	14.3	0.762	<b>77.6</b>	19.95	
<i>Zn</i>	16.8	<b>1140</b>	214	6.40	<b>652</b>	300	

(1) Reporting Limit adjusted to reflect mass of particulate collected

**Table 5**  
**Opportunity Site Hourly Average Data**  
**Met One E-BAM**  
**February 2009**

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/1/2009 1:00	-5	3.5	7.8	284	-4.3	24.3	44
2/1/2009 2:00	11	3.2	7.2	263	-4.9	23.2	48
2/1/2009 3:00	16	2.5	5.6	285	-4.7	23.5	48
2/1/2009 4:00	1	1.8	4.0	278	-6.1	21.0	52
2/1/2009 5:00	2	1.5	3.4	265	-6.3	20.7	52
2/1/2009 6:00	3	1.2	2.7	246	-7.1	19.2	55
2/1/2009 7:00	-5	2.0	4.5	233	-7.5	18.5	58
2/1/2009 8:00	0	4.2	9.4	243	-7.0	19.4	57
2/1/2009 9:00	3	6.3	14.1	234	-6.4	20.5	54
2/1/2009 10:00	6	3.7	8.3	215	-5.2	22.6	48
2/1/2009 11:00	6	4.2	9.4	231	-3.7	25.3	45
2/1/2009 12:00	4	3.1	6.9	219	-2.0	28.4	39
2/1/2009 13:00	3	3.0	6.7	221	-0.8	30.6	33
2/1/2009 14:00	-5	3.4	7.6	237	-0.4	31.3	33
2/1/2009 15:00	7	4.1	9.2	237	0.8	33.4	29
2/1/2009 16:00	2	4.8	10.7	255	1.3	34.3	29
2/1/2009 17:00	10	2.4	5.4	19	-0.8	30.6	43
2/1/2009 18:00	9	1.2	2.7	50	-1.6	29.1	47
2/1/2009 19:00	-1	1.3	2.9	76	-1.8	28.8	48
2/1/2009 20:00	-1	1.6	3.6	241	-0.8	30.6	44
2/1/2009 21:00	-2	1.6	3.6	270	-0.7	30.7	43
2/1/2009 22:00	5	2.8	6.3	250	-0.5	31.1	43
2/1/2009 23:00	2	3.6	8.1	236	-0.4	31.3	43
2/2/2009 0:00	4	4.3	9.6	244	-0.3	31.5	44
2/2/2009 1:00	11	4.5	10.1	244	-0.1	31.8	45
2/2/2009 2:00	8	3.6	8.1	231	0.0	32.0	46
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2/2/2009 7:00	3	2.8	6.3	215	0.6	33.1	54
2/2/2009 8:00	2	3.4	7.6	230	1.1	34.0	53
2/2/2009 9:00	8	4.4	9.8	237	1.6	34.9	55
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2/2/2009 11:00	2	4.3	9.6	254	3.9	39.0	57
2/2/2009 12:00	-2	4.5	10.1	245	4.8	40.6	55
2/2/2009 13:00	BA	5.6	12.5	251	7.1	44.8	49
2/2/2009 14:00	-3	4.7	10.5	245	7.6	45.7	48
2/2/2009 15:00	3	4.1	9.2	249	7.3	45.1	50
2/2/2009 16:00	24	3.2	7.2	340	4.5	40.1	62
2/2/2009 17:00	15	1.7	3.8	30	2.8	37.0	68
2/2/2009 18:00	3	1.4	3.1	266	3.4	38.1	67
2/2/2009 19:00	1	1.2	2.7	353	1.8	35.2	73
2/2/2009 20:00	6	0.8	1.8	293	0.8	33.4	76
2/2/2009 21:00	15	0.8	1.8	210	0.2	32.4	79
2/2/2009 22:00	13	1.1	2.5	201	0.3	32.5	80
2/2/2009 23:00	8	1.0	2.2	189	0.8	33.4	79
2/3/2009 0:00	1	1.3	2.9	183	-0.1	31.8	81
2/3/2009 1:00	2	1.2	2.7	156	0.2	32.4	79
2/3/2009 2:00	2	1.6	3.6	164	1.6	34.9	75
2/3/2009 3:00	6	2.0	4.5	161	0.5	32.9	76
2/3/2009 4:00	-5	1.9	4.3	176	0.9	33.6	75
2/3/2009 5:00	0	2.4	5.4	175	3.1	37.6	67
2/3/2009 6:00	2	2.0	4.5	179	2.5	36.5	68
2/3/2009 7:00	-2	2.2	4.9	201	3.0	37.4	66
2/3/2009 8:00	5	4.5	10.1	232	3.0	37.4	65
2/3/2009 9:00	-3	5.1	11.4	236	3.2	37.8	63
2/3/2009 10:00	3	1.8	4.0	205	4.3	39.7	59
2/3/2009 11:00	10	1.8	4.0	191	5.7	42.3	54
2/3/2009 12:00	13	2.4	5.4	163	7.2	45.0	50
2/3/2009 13:00	13	2.8	6.3	167	8.4	47.1	46
2/3/2009 14:00	5	2.8	6.3	164	10.0	50.0	39
2/3/2009 15:00	2	2.7	6.0	159	10.7	51.3	37
2/3/2009 16:00	6	2.7	6.0	153	10.5	50.9	38
2/3/2009 17:00	9	1.9	4.3	167	9.5	49.1	39
2/3/2009 18:00	3	2.4	5.4	158	6.7	44.1	47
2/3/2009 19:00	6	2.7	6.0	160	4.1	39.4	55
2/3/2009 20:00	-2	1.6	3.6	209	2.4	36.3	60
2/3/2009 21:00	13	2.1	4.7	201	2.3	36.1	58
2/3/2009 22:00	4	2.0	4.5	195	1.9	35.4	60
2/3/2009 23:00	1	2.6	5.8	178	1.8	35.2	58
2/4/2009 0:00	1	3.2	7.2	166	1.4	34.5	58
2/4/2009 1:00	-2	3.1	6.9	170	1.4	34.5	56
2/4/2009 2:00	0	3.2	7.2	172	1.1	34.0	56
2/4/2009 3:00	4	2.6	5.8	188	0.3	32.5	59
2/4/2009 4:00	3	3.1	6.9	179	0.3	32.5	57
2/4/2009 5:00	-4	2.9	6.5	179	0.3	32.5	56
2/4/2009 6:00	-2	2.9	6.5	179	0.9	33.6	52
2/4/2009 7:00	10	3.3	7.4	178	0.7	33.3	51
2/4/2009 8:00	4	2.8	6.3	187	-0.4	31.3	55
2/4/2009 9:00	11	3.0	6.7	185	0.2	32.4	51
2/4/2009 10:00	9	3.4	7.6	174	2.7	36.9	42
2/4/2009 11:00	13	4.0	8.9	163	5.3	41.5	38
2/4/2009 12:00	6	4.6	10.3	160	6.7	44.1	37
2/4/2009 13:00	12	3.5	7.8	178	9.7	49.5	26
2/4/2009 14:00	12	3.5	7.8	202	10.4	50.7	23
2/4/2009 15:00	4	4.2	9.4	222	10.7	51.3	23
2/4/2009 16:00	12	4.2	9.4	221	11.4	52.5	22
2/4/2009 17:00	1	2.6	5.8	192	10.5	50.9	24

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/4/2009 18:00	2	2.3	5.1	192	9.1	48.4	27
2/4/2009 19:00	5	2.4	5.4	168	6.5	43.7	39
2/4/2009 20:00	9	2.5	5.6	170	5.5	41.9	44
2/4/2009 21:00	9	3.4	7.6	161	4.0	39.2	50
2/4/2009 22:00	7	2.6	5.8	182	3.4	38.1	52
2/4/2009 23:00	2	2.1	4.7	193	2.5	36.5	55
2/5/2009 0:00	3	2.2	4.9	176	1.9	35.4	56
2/5/2009 1:00	-1	2.2	4.9	177	1.6	34.9	57
2/5/2009 2:00	1	2.5	5.6	177	1.6	34.9	56
2/5/2009 3:00	-1	2.6	5.8	183	1.6	34.9	55
2/5/2009 4:00	1	2.6	5.8	180	1.8	35.2	54
2/5/2009 5:00	2	2.6	5.8	179	1.4	34.5	54
2/5/2009 6:00	-3	3.1	6.9	169	0.9	33.6	54
2/5/2009 7:00	-3	2.8	6.3	165	0.9	33.6	53
2/5/2009 8:00	6	3.5	7.8	162	1.0	33.8	51
2/5/2009 9:00	10	3.0	6.7	183	1.3	34.3	50
2/5/2009 10:00	14	2.1	4.7	185	3.0	37.4	45
2/5/2009 11:00	17	2.2	4.9	194	4.1	39.4	43
2/5/2009 12:00	21	3.4	7.6	170	7.0	44.6	36
2/5/2009 13:00	13	3.5	7.8	156	8.9	48.0	32
2/5/2009 14:00	5	2.5	5.6	147	9.3	48.7	31
2/5/2009 15:00	3	2.9	6.5	155	9.5	49.1	32
2/5/2009 16:00	16	3.2	7.2	146	7.8	46.0	40
2/5/2009 17:00	4	2.6	5.8	170	7.1	44.8	42
2/5/2009 18:00	14	3.3	7.4	153	6.6	43.9	44
2/5/2009 19:00	4	2.6	5.8	178	6.0	42.8	45
2/5/2009 20:00	-1	1.4	3.1	193	4.9	40.8	43
2/5/2009 21:00	3	1.8	4.0	180	4.3	39.7	46
2/5/2009 22:00	8	1.7	3.8	192	4.5	40.1	45
2/5/2009 23:00	7	1.9	4.3	186	3.8	38.8	45
2/6/2009 0:00	4	1.8	4.0	193	3.0	37.4	47
2/6/2009 1:00	-5	2.1	4.7	185	2.3	36.1	51
2/6/2009 2:00	7	2.3	5.1	177	2.4	36.3	50
2/6/2009 3:00	-4	1.7	3.8	177	1.2	34.2	57
2/6/2009 4:00	3	1.4	3.1	191	1.2	34.2	56
2/6/2009 5:00	4	2.1	4.7	212	2.2	36.0	50
2/6/2009 6:00	0	1.7	3.8	198	1.6	34.9	51
2/6/2009 7:00	1	2.0	4.5	204	1.6	34.9	51
2/6/2009 8:00	4	2.9	6.5	221	1.5	34.7	51
2/6/2009 9:00	4	3.7	8.3	229	1.4	34.5	53
2/6/2009 10:00	4	3.8	8.5	229	1.9	35.4	53
2/6/2009 11:00	4	4.6	10.3	233	2.5	36.5	52
2/6/2009 12:00	8	3.8	8.5	231	3.5	38.3	50
2/6/2009 13:00	-3	4.5	10.1	235	4.1	39.4	50
2/6/2009 14:00	2	3.9	8.7	234	5.0	41.0	48
2/6/2009 15:00	10	2.7	6.0	223	5.0	41.0	52
2/6/2009 16:00	-1	2.5	5.6	220	5.5	41.9	49
2/6/2009 17:00	6	2.2	4.9	252	5.5	41.9	47
2/6/2009 18:00	13	1.6	3.6	208	3.9	39.0	55
2/6/2009 19:00	1	2.2	4.9	222	3.0	37.4	60
2/6/2009 20:00	6	3.5	7.8	234	2.6	36.7	64
2/6/2009 21:00	-4	2.6	5.8	254	2.8	37.0	60
2/6/2009 22:00	0	2.7	6.0	286	3.1	37.6	56
2/6/2009 23:00	-2	2.5	5.6	287	2.6	36.7	58
2/7/2009 0:00	-2	1.9	4.3	311	1.7	35.1	62
2/7/2009 1:00	1	1.4	3.1	6	0.6	33.1	72
2/7/2009 2:00	7	1.2	2.7	314	0.7	33.3	72
2/7/2009 3:00	1	1.7	3.8	18	0.5	32.9	79
2/7/2009 4:00	2	1.1	2.5	310	-0.3	31.5	81
2/7/2009 5:00	4	1.1	2.5	285	-1.3	29.7	84
2/7/2009 6:00	8	0.9	2.0	251	-1.8	28.8	86
2/7/2009 7:00	0	0.7	1.6	214	-3.7	25.3	88
2/7/2009 8:00	-5	0.9	2.0	195	-4.6	23.7	88
2/7/2009 9:00	10	1.3	2.9	170	-3.0	26.6	81
2/7/2009 10:00	1	2.0	4.5	163	-0.5	31.1	71
2/7/2009 11:00	-3	2.1	4.7	169	1.8	35.2	64
2/7/2009 12:00	0	1.8	4.0	170	3.9	39.0	53
2/7/2009 13:00	-5	1.4	3.1	229	5.1	41.2	43
2/7/2009 14:00	0	1.6	3.6	235	6.2	43.2	39
2/7/2009 15:00	6	3.4	7.6	12	5.2	41.4	53
2/7/2009 16:00	7	2.8	6.3	13	4.8	40.6	53
2/7/2009 17:00	5	2.5	5.6	13	4.2	39.6	55
2/7/2009 18:00	9	1.8	4.0	355	1.6	34.9	66
2/7/2009 19:00	6	0.9	2.0	251	-1.3	29.7	76
2/7/2009 20:00	30	0.6	1.3	235	-3.5	25.7	82
2/7/2009 21:00	21	0.5	1.1	235	-4.8	23.4	85
2/7/2009 22:00	12	0.8	1.8	202	-4.7	23.5	85
2/7/2009 23:00	16	0.7	1.6	213	-4.1	24.6	82
2/8/2009 0:00	9	1.0	2.2	220	-5.3	22.5	84
2/8/2009 1:00	5	0.7	1.6	216	-4.6	23.7	80
2/8/2009 2:00	4	1.1	2.5	228	-5.2	22.6	79
2/8/2009 3:00	-1	0.9	2.0	213	-6.1	21.0	78
2/8/2009 4:00	6	1.2	2.7	186	-6.8	19.8	78
2/8/2009 5:00	3	1.1	2.5	218	-7.2	19.0	77
2/8/2009 6:00	4	1.2	2.7	204	-7.9	17.8	77
2/8/2009 7:00	3	1.1	2.5	226	-8.6	16.5	78
2/8/2009 8:00	6	1.0	2.2	206	-8.9	16.0	77
2/8/2009 9:00	-4	1.5	3.4	193	-7.2	19.0	67
2/8/2009 10:00	-3	2.0	4.5	172	-4.2	24.4	60
2/8/2009 11:00	-1	2.1	4.7	194	-2.2	28.0	56
2/8/2009 12:00	9	2.2	4.9	184	0.6	33.1	51
2/8/2009 13:00	5	2.2	4.9	176	3.6	38.5	43
2/8/2009 14:00	2	2.5	5.6	144	5.7	42.3	40

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/8/2009 15:00	17	2.5	5.6	41	5.5	41.9	43
2/8/2009 16:00	8	2.6	5.8	19	4.7	40.5	45
2/8/2009 17:00	11	2.1	4.7	21	4.0	39.2	47
2/8/2009 18:00	9	1.1	2.5	345	1.3	34.3	55
2/8/2009 19:00	4	0.6	1.3	309	-1.6	29.1	66
2/8/2009 20:00	5	0.7	1.6	278	-2.2	28.0	68
2/8/2009 21:00	2	0.7	1.6	221	-3.3	26.1	74
2/8/2009 22:00	19	0.7	1.6	201	-4.7	23.5	81
2/8/2009 23:00	22	1.0	2.2	224	-5.1	22.8	81
2/9/2009 0:00	14	0.8	1.8	209	-4.6	23.7	80
2/9/2009 1:00	18	0.8	1.8	205	-4.6	23.7	80
2/9/2009 2:00	9	0.8	1.8	183	-4.1	24.6	75
2/9/2009 3:00	13	0.7	1.6	255	-4.7	23.5	79
2/9/2009 4:00	9	0.6	1.3	221	-4.9	23.2	82
2/9/2009 5:00	11	1.1	2.5	12	-5.1	22.8	82
2/9/2009 6:00	6	1.0	2.2	305	-5.4	22.3	82
2/9/2009 7:00	8	0.8	1.8	148	-5.6	21.9	82
2/9/2009 8:00	12	0.9	2.0	160	-5.1	22.8	83
2/9/2009 9:00	11	0.6	1.3	221	-4.8	23.4	82
2/9/2009 10:00	7	0.7	1.6	127	-1.8	28.8	66
2/9/2009 11:00	2	1.0	2.2	106	0.4	32.7	60
2/9/2009 12:00	24	2.0	4.5	47	1.6	34.9	57
2/9/2009 13:00	26	2.9	6.5	341	3.4	38.1	49
2/9/2009 14:00	11	3.3	7.4	18	2.7	36.9	53
2/9/2009 15:00	17	2.7	6.0	36	2.2	36.0	52
2/9/2009 16:00	21	2.8	6.3	39	2.5	36.5	50
2/9/2009 17:00	10	2.7	6.0	37	1.6	34.9	54
2/9/2009 18:00	6	2.4	5.4	27	0.3	32.5	56
2/9/2009 19:00	4	2.8	6.3	18	-0.7	30.7	61
2/9/2009 20:00	14	1.9	4.3	38	-1.5	29.3	67
2/9/2009 21:00	7	1.2	2.7	3	-2.1	28.2	69
2/9/2009 22:00	4	1.5	3.4	351	-2.3	27.9	72
2/9/2009 23:00	5	1.7	3.8	19	-2.2	28.0	74
2/10/2009 0:00	0	1.7	3.8	38	-2.2	28.0	70
2/10/2009 1:00	10	1.9	4.3	22	-2.5	27.5	69
2/10/2009 2:00	3	2.3	5.1	18	-2.9	26.8	70
2/10/2009 3:00	3	2.6	5.8	306	-3.0	26.6	65
2/10/2009 4:00	-2	3.3	7.4	284	-3.7	25.3	61
2/10/2009 5:00	2	3.4	7.6	298	-4.3	24.3	59
2/10/2009 6:00	5	3.5	7.8	296	-4.8	23.4	57
2/10/2009 7:00	-5	3.8	8.5	276	-5.2	22.6	56
2/10/2009 8:00	2	2.5	5.6	273	-5.7	21.7	57
2/10/2009 9:00	-5	1.5	3.4	217	-6.4	20.5	58
2/10/2009 10:00	-5	3.3	7.4	245	-4.2	24.4	47
2/10/2009 11:00	2	3.5	7.8	269	-2.7	27.1	41
2/10/2009 12:00	-1	2.7	6.0	276	-2.3	27.9	37
2/10/2009 13:00	10	1.9	4.3	358	-1.6	29.1	35
2/10/2009 14:00	-5	1.6	3.6	264	-0.6	30.9	33
2/10/2009 15:00	-5	3.0	6.7	270	-0.1	31.8	32
2/10/2009 16:00	-1	2.5	5.6	282	-0.6	30.9	34
2/10/2009 17:00	11	1.9	4.3	273	-0.5	31.1	30
2/10/2009 18:00	3	2.2	4.9	255	-2.1	28.2	35
2/10/2009 19:00	8	1.2	2.7	309	-4.3	24.3	51
2/10/2009 20:00	5	0.8	1.8	294	-5.4	22.3	55
2/10/2009 21:00	-2	1.0	2.2	263	-5.9	21.4	57
2/10/2009 22:00	5	0.8	1.8	220	-6.7	19.9	59
2/10/2009 23:00	4	1.0	2.2	232	-7.4	18.7	61
2/11/2009 0:00	8	0.7	1.6	210	-7.6	18.3	62
2/11/2009 1:00	10	0.8	1.8	226	-8.5	16.7	64
2/11/2009 2:00	3	0.6	1.3	243	-9.3	15.3	64
2/11/2009 3:00	0	0.8	1.8	223	-9.8	14.4	66
2/11/2009 4:00	-3	1.1	2.5	189	-9.2	15.4	66
2/11/2009 5:00	-2	0.7	1.6	188	-8.1	17.4	64
2/11/2009 6:00	-1	1.3	2.9	181	-8.4	16.9	63
2/11/2009 7:00	0	1.5	3.4	170	-7.4	18.7	62
2/11/2009 8:00	3	1.5	3.4	173	-7.2	19.0	62
2/11/2009 9:00	6	2.0	4.5	162	-6.8	19.8	61
2/11/2009 10:00	-1	1.6	3.6	176	-4.9	23.2	56
2/11/2009 11:00	4	2.5	5.6	212	-2.7	27.1	51
2/11/2009 12:00	-1	3.1	6.9	219	-1.9	28.6	49
2/11/2009 13:00	-1	2.9	6.5	225	-0.6	30.9	46
2/11/2009 14:00	-2	2.6	5.8	222	-0.1	31.8	45
2/11/2009 15:00	-1	3.4	7.6	233	-0.3	31.5	49
2/11/2009 16:00	0	3.0	6.7	227	0.3	32.5	47
2/11/2009 17:00	9	3.0	6.7	252	0.3	32.5	49
2/11/2009 18:00	2	2.3	5.1	302	-1.1	30.0	54
2/11/2009 19:00	8	1.9	4.3	27	-2.9	26.8	65
2/11/2009 20:00	1	0.8	1.8	52	-3.9	25.0	72
2/11/2009 21:00	8	0.7	1.6	251	-5.6	21.9	77
2/11/2009 22:00	12	1.0	2.2	175	-7.4	18.7	78
2/11/2009 23:00	16	0.8	1.8	191	-7.8	18.0	78
2/12/2009 0:00	3	0.9	2.0	175	-7.7	18.1	74
2/12/2009 1:00	3	1.0	2.2	178	-7.1	19.2	71
2/12/2009 2:00	1	1.0	2.2	168	-7.5	18.5	72
2/12/2009 3:00	1	1.2	2.7	154	-7.1	19.2	72
2/12/2009 4:00	1	1.3	2.9	177	-5.7	21.7	68
2/12/2009 5:00	4	1.1	2.5	188	-6.9	19.6	71
2/12/2009 6:00	2	1.1	2.5	183	-7.7	18.1	73
2/12/2009 7:00	5	1.4	3.1	160	-8.0	17.6	72
2/12/2009 8:00	7	1.7	3.8	170	-8.1	17.4	71
2/12/2009 9:00	9	1.7	3.8	180	-6.7	19.9	65
2/12/2009 10:00	4	2.0	4.5	168	-5.3	22.5	63
2/12/2009 11:00	1	2.4	5.4	161	-3.1	26.4	55

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/12/2009 12:00	5	2.0	4.5	167	-1.0	30.2	47
2/12/2009 13:00	-1	1.2	2.7	174	-0.1	31.8	41
2/12/2009 14:00	16	1.4	3.1	40	0.5	32.9	39
2/12/2009 15:00	27	2.2	4.9	3	0.3	32.5	44
2/12/2009 16:00	19	2.3	5.1	358	0.1	32.2	45
2/12/2009 17:00	14	2.4	5.4	8	-0.7	30.7	51
2/12/2009 18:00	5	2.2	4.9	3	-1.9	28.6	59
2/12/2009 19:00	11	1.3	2.9	335	-2.9	26.8	66
2/12/2009 20:00	5	0.9	2.0	256	-3.7	25.3	71
2/12/2009 21:00	6	0.5	1.1	220	-5.2	22.6	76
2/12/2009 22:00	11	0.6	1.3	238	-6.5	20.3	76
2/12/2009 23:00	10	0.6	1.3	248	-7.6	18.3	77
2/13/2009 0:00	11	0.7	1.6	219	-8.9	16.0	78
2/13/2009 1:00	9	0.9	2.0	220	-9.6	14.7	80
2/13/2009 2:00	20	0.8	1.8	194	-10.6	12.9	82
2/13/2009 3:00	5	0.8	1.8	197	-11.1	12.0	83
2/13/2009 4:00	-1	0.9	2.0	212	-11.8	10.8	82
2/13/2009 5:00	5	1.1	2.5	208	-10.3	13.5	78
2/13/2009 6:00	3	1.3	2.9	196	-10.4	13.3	77
2/13/2009 7:00	13	1.0	2.2	204	-11.4	11.5	78
2/13/2009 8:00	1	0.9	2.0	201	-11.9	10.6	78
2/13/2009 9:00	2	1.7	3.8	199	-8.9	16.0	67
2/13/2009 10:00	1	2.1	4.7	183	-7.1	19.2	59
2/13/2009 11:00	8	2.0	4.5	190	-4.8	23.4	55
2/13/2009 12:00	10	2.7	6.0	166	-2.2	28.0	51
2/13/2009 13:00	7	2.9	6.5	140	-0.5	31.1	46
2/13/2009 14:00	5	3.9	8.7	125	0.5	32.9	43
2/13/2009 15:00	9	3.9	8.7	130	1.4	34.5	40
2/13/2009 16:00	5	4.0	8.9	138	1.6	34.9	37
2/13/2009 17:00	7	3.8	8.5	137	1.0	33.8	36
2/13/2009 18:00	12	3.5	7.8	137	-0.6	30.9	39
2/13/2009 19:00	9	2.8	6.3	144	-2.3	27.9	46
2/13/2009 20:00	9	2.6	5.8	153	-3.7	25.3	51
2/13/2009 21:00	6	0.8	1.8	88	-5.6	21.9	59
2/13/2009 22:00	13	1.1	2.5	200	-6.6	20.1	61
2/13/2009 23:00	6	1.0	2.2	228	-8.4	16.9	65
2/14/2009 0:00	16	0.8	1.8	162	-9.2	15.4	68
2/14/2009 1:00	-4	1.2	2.7	221	-8.9	16.0	68
2/14/2009 2:00	0	1.1	2.5	206	-7.6	18.3	68
2/14/2009 3:00	10	1.0	2.2	221	-8.3	17.1	69
2/14/2009 4:00	9	1.0	2.2	184	-9.2	15.4	70
2/14/2009 5:00	0	1.2	2.7	261	-10.5	13.1	72
2/14/2009 6:00	0	0.7	1.6	159	-11.5	11.3	74
2/14/2009 7:00	6	0.7	1.6	282	-12.0	10.4	76
2/14/2009 8:00	0	0.8	1.8	177	-11.2	11.8	74
2/14/2009 9:00	5	0.7	1.6	202	-9.2	15.4	71
2/14/2009 10:00	8	1.8	4.0	160	-7.1	19.2	64
2/14/2009 11:00	-5	2.8	6.3	164	-5.3	22.5	59
2/14/2009 12:00	11	2.2	4.9	136	-3.2	26.2	54
2/14/2009 13:00	5	2.4	5.4	108	-2.5	27.5	53
2/14/2009 14:00	5	2.7	6.0	125	-1.4	29.5	50
2/14/2009 15:00	2	1.9	4.3	120	-0.6	30.9	48
2/14/2009 16:00	6	1.7	3.8	88	-0.8	30.6	51
2/14/2009 17:00	21	2.5	5.6	28	-1.8	28.8	54
2/14/2009 18:00	22	2.5	5.6	11	-3.1	26.4	62
2/14/2009 19:00	11	1.4	3.1	357	-5.0	23.0	71
2/14/2009 20:00	15	0.6	1.3	266	-6.3	20.7	77
2/14/2009 21:00	13	0.4	0.9	264	-6.4	20.5	77
2/14/2009 22:00	22	0.8	1.8	235	-8.2	17.2	82
2/14/2009 23:00	33	0.7	1.6	222	-10.3	13.5	83
2/15/2009 0:00	18	0.9	2.0	226	-10.0	14.0	81
2/15/2009 1:00	10	2.0	4.5	176	-6.9	19.6	75
2/15/2009 2:00	9	2.3	5.1	180	-5.6	21.9	70
2/15/2009 3:00	-4	1.9	4.3	185	-5.1	22.8	68
2/15/2009 4:00	11	2.0	4.5	178	-6.1	21.0	71
2/15/2009 5:00	5	2.2	4.9	176	-7.3	18.9	76
2/15/2009 6:00	4	2.4	5.4	175	-7.6	18.3	75
2/15/2009 7:00	5	3.3	7.4	160	-7.4	18.7	74
2/15/2009 8:00	2	3.2	7.2	149	-7.7	18.1	73
2/15/2009 9:00	-1	3.6	8.1	149	-6.7	19.9	71
2/15/2009 10:00	6	3.8	8.5	147	-5.2	22.6	65
2/15/2009 11:00	-1	3.7	8.3	147	-2.4	27.7	56
2/15/2009 12:00	12	2.9	6.5	179	-0.1	31.8	40
2/15/2009 13:00	-5	2.7	6.0	203	1.1	34.0	32
2/15/2009 14:00	3	2.5	5.6	202	2.4	36.3	30
2/15/2009 15:00	4	2.6	5.8	210	1.7	35.1	33
2/15/2009 16:00	-1	3.1	6.9	219	0.2	32.4	46
2/15/2009 17:00	-4	3.1	6.9	221	-1.0	30.2	59
2/15/2009 18:00	0	2.4	5.4	218	-1.3	29.7	62
2/15/2009 19:00	1	1.9	4.3	210	-1.2	29.8	61
2/15/2009 20:00	3	1.8	4.0	205	-0.9	30.4	60
2/15/2009 21:00	3	1.6	3.6	188	-1.0	30.2	60
2/15/2009 22:00	4	1.5	3.4	195	-1.1	30.0	59
2/15/2009 23:00	0	3.0	6.7	143	-2.2	28.0	61
2/16/2009 0:00	-5	2.5	5.6	154	-1.7	28.9	57
2/16/2009 1:00	1	2.7	6.0	163	-2.1	28.2	57
2/16/2009 2:00	1	3.6	8.1	152	-2.1	28.2	54
2/16/2009 3:00	2	3.0	6.7	140	-2.2	28.0	55
2/16/2009 4:00	1	2.2	4.9	162	-2.5	27.5	56
2/16/2009 5:00	3	2.1	4.7	175	-2.3	27.9	55
2/16/2009 6:00	2	3.0	6.7	151	-1.8	28.8	53
2/16/2009 7:00	-2	2.7	6.0	158	-1.5	29.3	53
2/16/2009 8:00	0	3.0	6.7	157	-1.4	29.5	54

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/16/2009 9:00	-5	2.9	6.5	149	-1.2	29.8	55
2/16/2009 10:00	3	2.7	6.0	158	0.1	32.2	50
2/16/2009 11:00	22	3.0	6.7	152	3.1	37.6	41
2/16/2009 12:00	5	2.8	6.3	169	4.5	40.1	38
2/16/2009 13:00	11	2.9	6.5	157	5.5	41.9	37
2/16/2009 14:00	-2	3.4	7.6	141	5.9	42.6	37
2/16/2009 15:00	0	2.7	6.0	199	7.1	44.8	32
2/16/2009 16:00	6	2.3	5.1	192	7.3	45.1	31
2/16/2009 17:00	6	1.6	3.6	174	5.6	42.1	36
2/16/2009 18:00	11	2.0	4.5	138	4.1	39.4	41
2/16/2009 19:00	18	1.7	3.8	156	1.0	33.8	51
2/16/2009 20:00	10	1.2	2.7	210	-0.1	31.8	57
2/16/2009 21:00	11	1.8	4.0	172	0.2	32.4	56
2/16/2009 22:00	1	2.0	4.5	163	0.0	32.0	55
2/16/2009 23:00	10	1.3	2.9	206	0.0	32.0	56
2/17/2009 0:00	0	1.2	2.7	218	-0.2	31.6	57
2/17/2009 1:00	3	0.8	1.8	219	-0.2	31.6	55
2/17/2009 2:00	11	1.0	2.2	331	-1.5	29.3	62
2/17/2009 3:00	1	0.7	1.6	327	-2.5	27.5	68
2/17/2009 4:00	10	0.5	1.1	155	-3.1	26.4	71
2/17/2009 5:00	4	0.7	1.6	290	-3.9	25.0	74
2/17/2009 6:00	8	0.6	1.3	210	-5.4	22.3	78
2/17/2009 7:00	12	0.6	1.3	234	-6.5	20.3	82
2/17/2009 8:00	11	0.7	1.6	219	-6.8	19.8	83
2/17/2009 9:00	4	0.6	1.3	206	-4.9	23.2	76
2/17/2009 10:00	16	0.9	2.0	79	-0.6	30.9	59
2/17/2009 11:00	22	1.8	4.0	17	0.0	32.0	60
2/17/2009 12:00	12	2.4	5.4	25	2.0	35.6	54
2/17/2009 13:00	13	1.9	4.3	29	2.8	37.0	51
2/17/2009 14:00	23	2.3	5.1	33	4.3	39.7	49
2/17/2009 15:00	14	2.3	5.1	24	4.7	40.5	47
2/17/2009 16:00	23	3.1	6.9	20	3.7	38.7	51
2/17/2009 17:00	16	2.1	4.7	4	3.4	38.1	53
2/17/2009 18:00	2	1.2	2.7	343	3.0	37.4	53
2/17/2009 19:00	3	2.9	6.5	263	2.6	36.7	52
2/17/2009 20:00	10	1.9	4.3	262	2.1	35.8	52
2/17/2009 21:00	4	1.7	3.8	308	1.6	34.9	53
2/17/2009 22:00	1	1.8	4.0	6	0.7	33.3	65
2/17/2009 23:00	3	1.8	4.0	324	0.9	33.6	65
2/18/2009 0:00	4	2.1	4.7	264	1.0	33.8	62
2/18/2009 1:00	-2	1.7	3.8	285	1.2	34.2	60
2/18/2009 2:00	5	2.4	5.4	279	1.2	34.2	61
2/18/2009 3:00	-3	2.4	5.4	275	0.9	33.6	65
2/18/2009 4:00	5	1.7	3.8	286	0.5	32.9	67
2/18/2009 5:00	5	1.1	2.5	278	0.3	32.5	67
2/18/2009 6:00	2	0.8	1.8	316	0.2	32.4	65
2/18/2009 7:00	2	1.4	3.1	280	0.6	33.1	61
2/18/2009 8:00	15	2.1	4.7	283	0.8	33.4	58
2/18/2009 9:00	3	1.0	2.2	241	0.6	33.1	60
2/18/2009 10:00	23	0.9	2.0	184	1.5	34.7	55
2/18/2009 11:00	3	3.4	7.6	283	2.9	37.2	49
2/18/2009 12:00	14	4.4	9.8	283	3.4	38.1	47
2/18/2009 13:00	5	4.5	10.1	279	3.3	37.9	48
2/18/2009 14:00	5	4.3	9.6	284	3.6	38.5	48
2/18/2009 15:00	10	5.0	11.2	265	3.9	39.0	51
2/18/2009 16:00	5	4.4	9.8	269	2.5	36.5	60
2/18/2009 17:00	-1	3.7	8.3	275	2.5	36.5	57
2/18/2009 18:00	-2	2.4	5.4	262	2.0	35.6	55
2/18/2009 19:00	14	3.1	6.9	262	1.2	34.2	63
2/18/2009 20:00	-2	1.4	3.1	269	0.5	32.9	66
2/18/2009 21:00	2	1.9	4.3	280	0.8	33.4	69
2/18/2009 22:00	1	1.6	3.6	280	0.8	33.4	63
2/18/2009 23:00	0	0.8	1.8	279	-0.2	31.6	65
2/19/2009 0:00	5	0.7	1.6	239	-1.3	29.7	66
2/19/2009 1:00	15	0.7	1.6	198	-2.3	27.9	70
2/19/2009 2:00	5	0.6	1.3	223	-3.2	26.2	74
2/19/2009 3:00	-2	2.5	5.6	231	-0.4	31.3	66
2/19/2009 4:00	-1	2.0	4.5	228	-0.2	31.6	65
2/19/2009 5:00	0	1.9	4.3	208	-0.2	31.6	64
2/19/2009 6:00	-5	1.3	2.9	221	-0.5	31.1	65
2/19/2009 7:00	0	2.7	6.0	239	-0.1	31.8	61
2/19/2009 8:00	4	3.4	7.6	234	-0.2	31.6	60
2/19/2009 9:00	7	2.6	5.8	233	-0.1	31.8	59
2/19/2009 10:00	0	4.9	11.0	238	1.4	34.5	54
2/19/2009 11:00	0	4.1	9.2	233	3.3	37.9	45
2/19/2009 12:00	4	5.7	12.8	233	3.7	38.7	44
2/19/2009 13:00	4	5.3	11.9	234	4.7	40.5	40
2/19/2009 14:00	5	4.3	9.6	223	5.5	41.9	36
2/19/2009 15:00	5	4.6	10.3	226	5.7	42.3	36
2/19/2009 16:00	0	5.4	12.1	233	5.6	42.1	36
2/19/2009 17:00	2	4.7	10.5	238	4.9	40.8	37
2/19/2009 18:00	-5	4.7	10.5	239	3.8	38.8	38
2/19/2009 19:00	-4	3.9	8.7	231	3.7	38.7	38
2/19/2009 20:00	4	2.0	4.5	215	3.3	37.9	40
2/19/2009 21:00	4	1.1	2.5	201	2.4	36.3	43
2/19/2009 22:00	0	2.9	6.5	234	2.5	36.5	43
2/19/2009 23:00	-4	4.4	9.8	238	2.4	36.3	42
2/20/2009 0:00	2	4.1	9.2	240	1.9	35.4	43
2/20/2009 1:00	-4	2.6	5.8	219	1.2	34.2	45
2/20/2009 2:00	-5	1.9	4.3	178	0.1	32.2	48
2/20/2009 3:00	-5	1.2	2.7	261	0.1	32.2	47
2/20/2009 4:00	0	1.9	4.3	228	-0.2	31.6	49
2/20/2009 5:00	3	2.3	5.1	247	1.3	34.3	45

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/20/2009 6:00	4	2.8	6.3	269	1.7	35.1	48
2/20/2009 7:00	-3	1.9	4.3	283	1.0	33.8	51
2/20/2009 8:00	0	3.1	6.9	284	1.4	34.5	48
2/20/2009 9:00	5	2.6	5.8	323	1.2	34.2	50
2/20/2009 10:00	9	3.5	7.8	35	0.6	33.1	58
2/20/2009 11:00	34	4.9	11.0	24	2.3	36.1	51
2/20/2009 12:00	114	5.7	12.8	27	3.0	37.4	45
2/20/2009 13:00	17	4.8	10.7	28	3.4	38.1	42
2/20/2009 14:00	14	4.3	9.6	45	3.7	38.7	40
2/20/2009 15:00	11	4.3	9.6	37	4.0	39.2	38
2/20/2009 16:00	5	3.8	8.5	34	4.0	39.2	37
2/20/2009 17:00	BA	BA	BA	BA	3.4	38.1	39
2/20/2009 18:00	4	1.3	2.9	2	2.0	35.6	44
2/20/2009 19:00	3	1.4	3.1	248	-0.9	30.4	55
2/20/2009 20:00	12	0.5	1.1	360	-4.1	24.6	68
2/20/2009 21:00	9	0.8	1.8	224	-4.3	24.3	69
2/20/2009 22:00	33	0.8	1.8	188	-4.7	23.5	70
2/20/2009 23:00	22	0.8	1.8	191	-6.0	21.2	72
2/21/2009 0:00	16	0.8	1.8	202	-7.0	19.4	76
2/21/2009 1:00	0	0.8	1.8	195	-6.7	19.9	74
2/21/2009 2:00	1	1.2	2.7	199	-5.7	21.7	71
2/21/2009 3:00	10	1.3	2.9	190	-5.5	22.1	70
2/21/2009 4:00	-3	1.7	3.8	196	-5.7	21.7	69
2/21/2009 5:00	-3	1.6	3.6	196	-6.0	21.2	69
2/21/2009 6:00	4	1.2	2.7	195	-6.8	19.8	72
2/21/2009 7:00	7	1.7	3.8	195	-6.5	20.3	69
2/21/2009 8:00	1	1.8	4.0	196	-6.5	20.3	69
2/21/2009 9:00	1	2.8	6.3	167	-4.1	24.6	61
2/21/2009 10:00	11	3.2	7.2	162	-1.5	29.3	54
2/21/2009 11:00	18	3.6	8.1	156	1.7	35.1	45
2/21/2009 12:00	2	3.7	8.3	156	4.7	40.5	37
2/21/2009 13:00	8	2.7	6.0	175	7.5	45.5	27
2/21/2009 14:00	4	2.9	6.5	168	9.0	48.2	24
2/21/2009 15:00	10	3.1	6.9	215	9.5	49.1	17
2/21/2009 16:00	14	3.2	7.2	216	9.6	49.3	16
2/21/2009 17:00	11	2.2	4.9	199	9.1	48.4	16
2/21/2009 18:00	17	1.3	2.9	275	6.2	43.2	29
2/21/2009 19:00	3	1.2	2.7	286	1.7	35.1	47
2/21/2009 20:00	18	0.9	2.0	198	-0.5	31.1	53
2/21/2009 21:00	24	0.8	1.8	221	-2.7	27.1	63
2/21/2009 22:00	24	0.8	1.8	229	-4.1	24.6	68
2/21/2009 23:00	23	1.1	2.5	217	-5.1	22.8	70
2/22/2009 0:00	22	1.1	2.5	215	-6.0	21.2	72
2/22/2009 1:00	-1	1.3	2.9	212	-4.4	24.1	66
2/22/2009 2:00	2	1.2	2.7	201	-2.9	26.8	64
2/22/2009 3:00	-1	1.4	3.1	196	-2.6	27.3	60
2/22/2009 4:00	3	1.7	3.8	186	-3.2	26.2	63
2/22/2009 5:00	6	1.9	4.3	193	-2.8	27.0	63
2/22/2009 6:00	9	1.7	3.8	201	-2.7	27.1	63
2/22/2009 7:00	5	1.6	3.6	191	-2.9	26.8	62
2/22/2009 8:00	7	1.6	3.6	206	-3.4	25.9	62
2/22/2009 9:00	2	1.8	4.0	201	-1.5	29.3	56
2/22/2009 10:00	3	1.8	4.0	209	1.8	35.2	46
2/22/2009 11:00	14	3.6	8.1	155	6.0	42.8	36
2/22/2009 12:00	14	4.2	9.4	144	7.9	46.2	33
2/22/2009 13:00	14	4.3	9.6	142	9.8	49.6	30
2/22/2009 14:00	10	3.6	8.1	147	11.4	52.5	26
2/22/2009 15:00	4	2.6	5.8	181	12.4	54.3	21
2/22/2009 16:00	12	2.8	6.3	182	12.1	53.8	22
2/22/2009 17:00	1	2.7	6.0	213	10.6	51.1	25
2/22/2009 18:00	11	2.7	6.0	218	9.1	48.4	29
2/22/2009 19:00	9	1.5	3.4	203	7.4	45.3	35
2/22/2009 20:00	13	1.3	2.9	194	5.5	41.9	46
2/22/2009 21:00	7	1.2	2.7	200	5.4	41.7	46
2/22/2009 22:00	4	0.8	1.8	196	4.9	40.8	48
2/22/2009 23:00	7	1.0	2.2	169	4.9	40.8	47
2/23/2009 0:00	8	1.6	3.6	155	5.2	41.4	47
2/23/2009 1:00	7	1.5	3.4	161	4.9	40.8	47
2/23/2009 2:00	0	2.2	4.9	172	4.3	39.7	48
2/23/2009 3:00	6	3.0	6.7	157	4.8	40.6	47
2/23/2009 4:00	7	2.3	5.1	179	5.2	41.4	48
2/23/2009 5:00	38	2.8	6.3	185	4.6	40.3	61
2/23/2009 6:00	2	2.4	5.4	186	4.1	39.4	68
2/23/2009 7:00	-3	2.1	4.7	182	3.9	39.0	69
2/23/2009 8:00	-2	1.9	4.3	182	3.6	38.5	71
2/23/2009 9:00	2	2.2	4.9	201	4.4	39.9	68
2/23/2009 10:00	-1	3.7	8.3	215	6.4	43.5	58
2/23/2009 11:00	11	5.2	11.6	225	7.8	46.0	53
2/23/2009 12:00	14	4.4	9.8	219	8.9	48.0	47
2/23/2009 13:00	15	5.4	12.1	224	10.3	50.5	42
2/23/2009 14:00	7	5.2	11.6	232	11.4	52.5	38
2/23/2009 15:00	5	4.3	9.6	223	11.9	53.4	36
2/23/2009 16:00	-1	4.8	10.7	234	11.6	52.9	37
2/23/2009 17:00	1	3.9	8.7	227	11.9	53.4	35
2/23/2009 18:00	5	2.6	5.8	221	10.0	50.0	41
2/23/2009 19:00	2	1.3	2.9	201	7.5	45.5	51
2/23/2009 20:00	2	0.9	2.0	250	5.6	42.1	56
2/23/2009 21:00	-2	1.1	2.5	182	5.1	41.2	58
2/23/2009 22:00	3	1.8	4.0	147	6.1	43.0	56
2/23/2009 23:00	7	2.3	5.1	185	5.2	41.4	60
2/24/2009 0:00	12	2.8	6.3	190	5.8	42.4	58
2/24/2009 1:00	-3	1.3	2.9	213	4.4	39.9	75
2/24/2009 2:00	-1	1.4	3.1	218	4.2	39.6	78

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/24/2009 3:00	7	1.5	3.4	176	2.9	37.2	87
2/24/2009 4:00	-5	1.5	3.4	192	3.1	37.6	84
2/24/2009 5:00	4	3.0	6.7	282	2.8	37.0	83
2/24/2009 6:00	3	0.5	1.1	64	0.6	33.1	91
2/24/2009 7:00	-2	0.3	0.7	242	0.4	32.7	87
2/24/2009 8:00	10	0.3	0.7	241	-1.7	28.9	90
2/24/2009 9:00	4	0.5	1.1	184	-1.0	30.2	86
2/24/2009 10:00	3	1.4	3.1	171	3.7	38.7	70
2/24/2009 11:00	9	2.8	6.3	262	4.0	39.2	70
2/24/2009 12:00	-5	3.2	7.2	238	5.1	41.2	65
2/24/2009 13:00	4	4.8	10.7	218	5.7	42.3	60
2/24/2009 14:00	8	3.5	7.8	215	6.7	44.1	53
2/24/2009 15:00	2	3.6	8.1	218	5.7	42.3	56
2/24/2009 16:00	-3	3.6	8.1	224	5.7	42.3	55
2/24/2009 17:00	6	4.0	8.9	220	5.4	41.7	55
2/24/2009 18:00	7	3.9	8.7	241	3.9	39.0	63
2/24/2009 19:00	1	3.0	6.7	229	2.4	36.3	72
2/24/2009 20:00	0	1.6	3.6	144	1.6	34.9	78
2/24/2009 21:00	-2	0.9	2.0	248	1.2	34.2	75
2/24/2009 22:00	-1	2.7	6.0	225	2.3	36.1	65
2/24/2009 23:00	0	3.5	7.8	224	2.5	36.5	61
2/25/2009 0:00	1	3.6	8.1	219	2.8	37.0	60
2/25/2009 1:00	-5	3.9	8.7	236	2.3	36.1	60
2/25/2009 2:00	0	1.9	4.3	214	1.5	34.7	62
2/25/2009 3:00	3	3.2	7.2	224	1.6	34.9	60
2/25/2009 4:00	-1	2.5	5.6	213	1.6	34.9	58
2/25/2009 5:00	-5	2.8	6.3	218	1.8	35.2	58
2/25/2009 6:00	0	2.6	5.8	217	1.9	35.4	57
2/25/2009 7:00	-2	3.9	8.7	220	2.7	36.9	53
2/25/2009 8:00	9	2.9	6.5	239	2.3	36.1	54
2/25/2009 9:00	0	2.1	4.7	193	2.7	36.9	51
2/25/2009 10:00	-2	2.7	6.0	183	4.6	40.3	44
2/25/2009 11:00	-2	2.6	5.8	192	5.2	41.4	42
2/25/2009 12:00	0	2.6	5.8	198	5.8	42.4	40
2/25/2009 13:00	0	3.6	8.1	211	5.7	42.3	42
2/25/2009 14:00	0	3.7	8.3	219	6.7	44.1	41
2/25/2009 15:00	10	3.0	6.7	213	7.1	44.8	40
2/25/2009 16:00	-5	3.7	8.3	229	5.9	42.6	48
2/25/2009 17:00	4	2.7	6.0	244	5.2	41.4	50
2/25/2009 18:00	3	2.1	4.7	245	4.9	40.8	52
2/25/2009 19:00	22	2.4	5.4	212	1.2	34.2	85
2/25/2009 20:00	12	0.3	0.7	142	0.2	32.4	90
2/25/2009 21:00	1	0.3	0.7	182	-0.5	31.1	87
2/25/2009 22:00	0	0.3	0.7	185	0.3	32.5	77
2/25/2009 23:00	-5	0.6	1.3	191	0.4	32.7	73
2/26/2009 0:00	3	1.6	3.6	179	0.3	32.5	69
2/26/2009 1:00	-5	1.6	3.6	187	0.6	33.1	66
2/26/2009 2:00	4	2.1	4.7	192	0.4	32.7	64
2/26/2009 3:00	3	2.0	4.5	196	0.5	32.9	61
2/26/2009 4:00	5	2.2	4.9	176	0.3	32.5	60
2/26/2009 5:00	6	1.9	4.3	184	0.0	32.0	62
2/26/2009 6:00	3	1.5	3.4	173	-1.2	29.8	66
2/26/2009 7:00	-4	1.3	2.9	214	-0.2	31.6	62
2/26/2009 8:00	-3	1.4	3.1	194	-0.3	31.5	61
2/26/2009 9:00	-3	1.4	3.1	210	1.2	34.2	55
2/26/2009 10:00	6	2.0	4.5	125	2.9	37.2	50
2/26/2009 11:00	1	1.9	4.3	27	3.7	38.7	48
2/26/2009 12:00	6	3.4	7.6	257	3.7	38.7	56
2/26/2009 13:00	83	3.2	7.2	17	-0.7	30.7	83
2/26/2009 14:00	-3	1.3	2.9	18	-0.5	31.1	88
2/26/2009 15:00	44	3.6	8.1	293	-0.6	30.9	85
2/26/2009 16:00	13	2.5	5.6	293	-0.7	30.7	70
2/26/2009 17:00	130	2.6	5.8	2	-2.1	28.2	75
2/26/2009 18:00	15	2.3	5.1	42	-3.6	25.5	86
2/26/2009 19:00	-5	1.9	4.3	342	-3.7	25.3	85
2/26/2009 20:00	9	3.5	7.8	302	-4.2	24.4	74
2/26/2009 21:00	-3	3.1	6.9	301	-4.8	23.4	73
2/26/2009 22:00	2	2.3	5.1	1	-6.0	21.2	79
2/26/2009 23:00	0	1.8	4.0	358	-6.4	20.5	78
2/27/2009 0:00	-3	3.2	7.2	292	-5.7	21.7	66
2/27/2009 1:00	6	3.6	8.1	281	-5.7	21.7	61
2/27/2009 2:00	1	3.5	7.8	273	-6.0	21.2	63
2/27/2009 3:00	8	4.1	9.2	275	-6.2	20.8	63
2/27/2009 4:00	8	4.2	9.4	273	-6.1	21.0	59
2/27/2009 5:00	2	3.8	8.5	269	-6.3	20.7	58
2/27/2009 6:00	4	3.0	6.7	246	-7.2	19.0	60
2/27/2009 7:00	0	2.5	5.6	234	-8.0	17.6	62
2/27/2009 8:00	-3	4.1	9.2	234	-7.9	17.8	59
2/27/2009 9:00	-5	5.1	11.4	234	-7.1	19.2	55
2/27/2009 10:00	-5	4.4	9.8	236	-5.9	21.4	51
2/27/2009 11:00	4	4.5	10.1	266	-4.1	24.6	49
2/27/2009 12:00	-4	3.7	8.3	312	-3.1	26.4	49
2/27/2009 13:00	3	2.3	5.1	348	-2.5	27.5	48
2/27/2009 14:00	0	3.3	7.4	273	-1.0	30.2	44
2/27/2009 15:00	2	3.1	6.9	27	-1.7	28.9	50
2/27/2009 16:00	-1	3.7	8.3	14	-2.3	27.9	53
2/27/2009 17:00	3	3.0	6.7	12	-2.6	27.3	54
2/27/2009 18:00	3	2.5	5.6	4	-3.6	25.5	59
2/27/2009 19:00	5	0.5	1.1	280	-6.1	21.0	70
2/27/2009 20:00	6	0.4	0.9	232	-8.8	16.2	79
2/27/2009 21:00	18	0.8	1.8	182	-10.6	12.9	80
2/27/2009 22:00	6	1.1	2.5	231	-11.1	12.0	80
2/27/2009 23:00	20	0.6	1.3	209	-11.8	10.8	81
2/28/2009 0:00	1	1.0	2.2	230	-10.7	12.7	78

Date & Time Mountain Standard Time (data for hour ending)	TSP Hourly (µg/m3)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/28/2009 1:00	11	1.0	2.2	198	-9.8	14.4	76
2/28/2009 2:00	16	0.7	1.6	167	-10.8	12.6	77
2/28/2009 3:00	5	0.9	2.0	241	-11.4	11.5	77
2/28/2009 4:00	5	1.2	2.7	227	-10.8	12.6	73
2/28/2009 5:00	-5	1.4	3.1	203	-10.5	13.1	72
2/28/2009 6:00	5	1.7	3.8	215	-10.4	13.3	70
2/28/2009 7:00	1	1.2	2.7	187	-10.7	12.7	70
2/28/2009 8:00	-3	1.4	3.1	171	-10.6	12.9	68
2/28/2009 9:00	0	1.6	3.6	193	-8.5	16.7	60
2/28/2009 10:00	1	1.9	4.3	176	-5.0	23.0	51
2/28/2009 11:00	5	2.1	4.7	176	-2.5	27.5	47
2/28/2009 12:00	22	2.4	5.4	72	-2.4	27.7	55
2/28/2009 13:00	13	2.6	5.8	23	-3.3	26.1	62
2/28/2009 14:00	16	2.5	5.6	12	-1.8	28.8	59
2/28/2009 15:00	10	2.2	4.9	26	-0.6	30.9	57
2/28/2009 16:00	11	2.4	5.4	24	0.3	32.5	53
2/28/2009 17:00	10	2.3	5.1	17	0.2	32.4	51
2/28/2009 18:00	7	1.2	2.7	357	-1.2	29.8	58
2/28/2009 19:00	2	0.5	1.1	246	-2.4	27.7	64
2/28/2009 20:00	13	0.7	1.6	242	-2.8	27.0	69
2/28/2009 21:00	5	1.6	3.6	231	-1.0	30.2	61
2/28/2009 22:00	4	1.7	3.8	218	-0.1	31.8	54
2/28/2009 23:00	0	1.6	3.6	207	0.4	32.7	50
3/1/2009 0:00	8	1.7	3.8	21	-4.0	24.8	71

BA = Routine maintenance / repairs

**Table 6**  
**Warm Springs Site Hourly Average Data**  
**Met One E-BAM**  
**February 2009**

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/1/2009 1:00	16	5.3	11.9	257	-3.8	25.2	44
2/1/2009 2:00	-5	1.8	4.0	0	-5.0	23.0	48
2/1/2009 3:00	10	1.5	3.4	290	-6.0	21.2	50
2/1/2009 4:00	4	1.1	2.5	334	-6.9	19.6	54
2/1/2009 5:00	-5	1.5	3.4	267	-7.6	18.3	58
2/1/2009 6:00	0	2.6	5.8	246	-5.8	21.6	54
2/1/2009 7:00	3	1.9	4.3	225	-6.5	20.3	54
2/1/2009 8:00	-5	3.0	6.7	229	-6.6	20.1	54
2/1/2009 9:00	0	2.0	4.5	203	-6.5	20.3	53
2/1/2009 10:00	0	2.4	5.4	168	-4.1	24.6	45
2/1/2009 11:00	-4	4.5	10.1	202	-2.6	27.3	42
2/1/2009 12:00	-5	5.3	11.9	212	-1.4	29.5	38
2/1/2009 13:00	6	3.9	8.7	209	-0.1	31.8	32
2/1/2009 14:00	-5	3.9	8.7	203	0.3	32.5	32
2/1/2009 15:00	-5	2.2	4.9	209	1.5	34.7	28
2/1/2009 16:00	16	1.7	3.8	24	1.1	34.0	34
2/1/2009 17:00	-5	1.4	3.1	33	-0.9	30.4	42
2/1/2009 18:00	5	1.0	2.2	351	-2.2	28.0	48
2/1/2009 19:00	-5	1.5	3.4	278	-2.9	26.8	50
2/1/2009 20:00	6	3.3	7.4	248	-0.3	31.5	40
2/1/2009 21:00	-5	2.5	5.6	236	-0.4	31.3	40
2/1/2009 22:00	6	2.3	5.1	199	-0.3	31.5	43
2/1/2009 23:00	-2	1.9	4.3	186	-0.5	31.1	45
2/2/2009 0:00	-4	2.0	4.5	187	-0.1	31.8	44
2/2/2009 1:00	-2	2.3	5.1	189	0.1	32.2	44
2/2/2009 2:00	-5	2.7	6.0	183	0.2	32.4	46
2/2/2009 3:00	4	2.5	5.6	215	-0.1	31.8	47
2/2/2009 4:00	-5	1.9	4.3	239	-0.8	30.6	51
2/2/2009 5:00	7	1.8	4.0	236	-0.4	31.3	51
2/2/2009 6:00	-5	3.9	8.7	200	0.0	32.0	52
2/2/2009 7:00	7	3.6	8.1	174	0.3	32.5	53
2/2/2009 8:00	5	3.9	8.7	191	1.6	34.9	52
2/2/2009 9:00	-5	4.0	8.9	210	2.2	36.0	52
2/2/2009 10:00	6	2.8	6.3	271	1.8	35.2	56
2/2/2009 11:00	-5	1.5	3.4	39	0.8	33.4	59
2/2/2009 12:00	BA	1.4	3.1	36	2.5	36.5	55
2/2/2009 13:00	8	3.6	8.1	238	6.2	43.2	49
2/2/2009 14:00	7	2.5	5.6	337	6.3	43.3	48
2/2/2009 15:00	-5	2.1	4.7	358	4.1	39.4	58
2/2/2009 16:00	2	1.8	4.0	357	3.1	37.6	65
2/2/2009 17:00	0	1.2	2.7	342	3.1	37.6	66
2/2/2009 18:00	2	0.7	1.6	311	1.6	34.9	71
2/2/2009 19:00	6	0.7	1.6	279	0.5	32.9	76
2/2/2009 20:00	1	0.8	1.8	205	-0.4	31.3	79
2/2/2009 21:00	9	0.7	1.6	237	-0.6	30.9	81
2/2/2009 22:00	-5	0.7	1.6	156	-1.8	28.8	84
2/2/2009 23:00	-5	0.9	2.0	221	-2.6	27.3	87
2/3/2009 0:00	16	2.2	4.9	201	1.7	35.1	77
2/3/2009 1:00	-5	2.2	4.9	195	0.8	33.4	78
2/3/2009 2:00	3	1.8	4.0	171	1.8	35.2	74
2/3/2009 3:00	4	1.2	2.7	142	1.6	34.9	74
2/3/2009 4:00	-3	2.1	4.7	170	2.3	36.1	70
2/3/2009 5:00	-2	2.3	5.1	167	2.2	36.0	69
2/3/2009 6:00	-3	2.5	5.6	180	2.6	36.7	67
2/3/2009 7:00	-5	2.6	5.8	172	2.3	36.1	67
2/3/2009 8:00	11	1.3	2.9	346	-1.8	28.8	76
2/3/2009 9:00	-5	0.8	1.8	330	-4.0	24.8	83
2/3/2009 10:00	-5	0.8	1.8	25	-0.3	31.5	74
2/3/2009 11:00	20	0.9	2.0	14	2.7	36.9	64
2/3/2009 12:00	-5	1.3	2.9	20	6.3	43.3	52
2/3/2009 13:00	6	2.8	6.3	187	9.6	49.3	39
2/3/2009 14:00	-5	3.1	6.9	188	10.3	50.5	34
2/3/2009 15:00	2	2.7	6.0	178	10.9	51.6	30
2/3/2009 16:00	3	2.0	4.5	145	11.0	51.8	30
2/3/2009 17:00	7	1.1	2.5	27	8.3	46.9	44
2/3/2009 18:00	-5	0.8	1.8	111	5.3	41.5	53
2/3/2009 19:00	-5	1.7	3.8	192	3.3	37.9	57
2/3/2009 20:00	12	2.3	5.1	198	2.7	36.9	58
2/3/2009 21:00	1	1.9	4.3	201	2.1	35.8	59
2/3/2009 22:00	5	1.3	2.9	166	1.3	34.3	61
2/3/2009 23:00	-5	1.8	4.0	187	1.9	35.4	57
2/4/2009 0:00	2	2.2	4.9	179	2.2	36.0	53
2/4/2009 1:00	-1	1.8	4.0	160	1.5	34.7	55
2/4/2009 2:00	-5	2.1	4.7	185	1.7	35.1	52
2/4/2009 3:00	-4	2.5	5.6	186	1.6	34.9	52
2/4/2009 4:00	3	2.7	6.0	183	1.4	34.5	52
2/4/2009 5:00	-5	1.8	4.0	190	1.5	34.7	49
2/4/2009 6:00	-5	2.0	4.5	195	1.9	35.4	46
2/4/2009 7:00	-2	2.7	6.0	199	1.8	35.2	46
2/4/2009 8:00	6	2.5	5.6	213	1.3	34.3	48
2/4/2009 9:00	-5	3.5	7.8	197	1.6	34.9	46
2/4/2009 10:00	-3	3.4	7.6	192	5.3	41.5	35
2/4/2009 11:00	12	3.9	8.7	175	8.3	46.9	26
2/4/2009 12:00	6	4.5	10.1	169	9.3	48.7	25
2/4/2009 13:00	13	4.6	10.3	181	10.2	50.4	23
2/4/2009 14:00	-1	4.8	10.7	174	10.9	51.6	22
2/4/2009 15:00	10	4.9	11.0	169	11.3	52.3	21
2/4/2009 16:00	7	4.2	9.4	169	11.4	52.5	22
2/4/2009 17:00	-4	3.5	7.8	192	10.3	50.5	24

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/4/2009 18:00	-5	2.5	5.6	203	7.3	45.1	33
2/4/2009 19:00	-1	2.1	4.7	177	5.7	42.3	39
2/4/2009 20:00	6	1.6	3.6	209	4.5	40.1	45
2/4/2009 21:00	-2	1.9	4.3	183	3.2	37.8	53
2/4/2009 22:00	-5	1.6	3.6	205	3.0	37.4	52
2/4/2009 23:00	2	1.7	3.8	196	3.1	37.6	52
2/5/2009 0:00	1	2.8	6.3	184	3.3	37.9	50
2/5/2009 1:00	-5	2.3	5.1	170	3.0	37.4	51
2/5/2009 2:00	-5	2.2	4.9	166	2.7	36.9	51
2/5/2009 3:00	12	1.8	4.0	174	2.1	35.8	53
2/5/2009 4:00	-5	1.9	4.3	171	1.5	34.7	55
2/5/2009 5:00	4	1.8	4.0	182	2.1	35.8	50
2/5/2009 6:00	7	1.9	4.3	165	1.7	35.1	50
2/5/2009 7:00	-1	2.5	5.6	163	2.1	35.8	48
2/5/2009 8:00	3	2.2	4.9	173	2.9	37.2	44
2/5/2009 9:00	-1	2.3	5.1	178	3.0	37.4	44
2/5/2009 10:00	0	3.2	7.2	165	5.6	42.1	36
2/5/2009 11:00	5	3.3	7.4	155	6.4	43.5	34
2/5/2009 12:00	3	3.8	8.5	160	8.1	46.6	30
2/5/2009 13:00	6	5.2	11.6	150	8.9	48.0	29
2/5/2009 14:00	4	3.9	8.7	149	9.2	48.6	29
2/5/2009 15:00	4	4.0	8.9	138	8.7	47.7	33
2/5/2009 16:00	1	3.3	7.4	139	7.7	45.9	37
2/5/2009 17:00	1	4.3	9.6	143	7.3	45.1	39
2/5/2009 18:00	5	4.1	9.2	161	6.7	44.1	42
2/5/2009 19:00	0	2.8	6.3	173	6.0	42.8	44
2/5/2009 20:00	-4	3.0	6.7	182	5.1	41.2	45
2/5/2009 21:00	3	3.1	6.9	177	4.6	40.3	45
2/5/2009 22:00	0	2.8	6.3	178	4.2	39.6	47
2/5/2009 23:00	1	3.6	8.1	169	4.0	39.2	47
2/6/2009 0:00	-1	3.5	7.8	166	2.9	37.2	50
2/6/2009 1:00	3	2.5	5.6	169	1.9	35.4	56
2/6/2009 2:00	4	2.3	5.1	171	1.1	34.0	59
2/6/2009 3:00	-5	2.6	5.8	193	1.4	34.5	56
2/6/2009 4:00	13	2.6	5.8	208	1.3	34.3	57
2/6/2009 5:00	-5	3.0	6.7	196	2.5	36.5	49
2/6/2009 6:00	0	2.0	4.5	166	1.3	34.3	53
2/6/2009 7:00	2	2.1	4.7	157	0.9	33.6	55
2/6/2009 8:00	6	1.9	4.3	160	0.7	33.3	55
2/6/2009 9:00	-5	2.1	4.7	157	0.9	33.6	56
2/6/2009 10:00	5	2.8	6.3	177	2.2	36.0	53
2/6/2009 11:00	5	2.5	5.6	180	3.6	38.5	49
2/6/2009 12:00	3	2.8	6.3	186	4.0	39.2	47
2/6/2009 13:00	4	3.4	7.6	208	4.6	40.3	47
2/6/2009 14:00	3	4.8	10.7	257	6.6	43.9	40
2/6/2009 15:00	-5	4.7	10.5	248	6.2	43.2	41
2/6/2009 16:00	8	3.4	7.6	235	6.0	42.8	44
2/6/2009 17:00	-5	3.2	7.2	236	5.2	41.4	46
2/6/2009 18:00	1	2.5	5.6	204	3.9	39.0	50
2/6/2009 19:00	-5	1.9	4.3	160	2.3	36.1	62
2/6/2009 20:00	-5	3.2	7.2	225	3.2	37.8	56
2/6/2009 21:00	4	3.1	6.9	232	3.5	38.3	54
2/6/2009 22:00	4	1.7	3.8	247	2.4	36.3	58
2/6/2009 23:00	2	1.7	3.8	246	1.7	35.1	61
2/7/2009 0:00	9	1.0	2.2	17	0.6	33.1	71
2/7/2009 1:00	-5	0.7	1.6	76	0.7	33.3	77
2/7/2009 2:00	-4	0.7	1.6	44	0.7	33.3	76
2/7/2009 3:00	17	0.8	1.8	53	0.6	33.1	79
2/7/2009 4:00	2	1.2	2.7	333	0.1	32.2	79
2/7/2009 5:00	1	1.1	2.5	334	-1.1	30.0	83
2/7/2009 6:00	-5	0.9	2.0	288	-2.7	27.1	88
2/7/2009 7:00	-5	0.5	1.1	144	-4.0	24.8	89
2/7/2009 8:00	12	0.7	1.6	165	-3.4	25.9	88
2/7/2009 9:00	-5	0.7	1.6	302	-3.0	26.6	85
2/7/2009 10:00	8	0.9	2.0	151	0.3	32.5	70
2/7/2009 11:00	2	1.6	3.6	143	2.4	36.3	63
2/7/2009 12:00	-2	2.4	5.4	172	4.7	40.5	48
2/7/2009 13:00	-1	1.7	3.8	185	5.8	42.4	42
2/7/2009 14:00	5	2.0	4.5	9	5.7	42.3	50
2/7/2009 15:00	0	2.3	5.1	356	5.3	41.5	51
2/7/2009 16:00	2	1.8	4.0	2	5.3	41.5	50
2/7/2009 17:00	8	1.8	4.0	356	4.4	39.9	53
2/7/2009 18:00	-5	1.1	2.5	336	1.3	34.3	66
2/7/2009 19:00	3	0.7	1.6	248	-2.8	27.0	81
2/7/2009 20:00	6	0.4	0.9	229	-4.1	24.6	87
2/7/2009 21:00	3	0.8	1.8	159	-4.7	23.5	87
2/7/2009 22:00	3	1.0	2.2	145	-4.7	23.5	84
2/7/2009 23:00	-3	1.1	2.5	144	-5.5	22.1	84
2/8/2009 0:00	9	1.3	2.9	171	-5.2	22.6	82
2/8/2009 1:00	-1	1.3	2.9	184	-5.7	21.7	83
2/8/2009 2:00	5	1.4	3.1	182	-5.2	22.6	80
2/8/2009 3:00	4	1.6	3.6	193	-6.0	21.2	80
2/8/2009 4:00	3	1.0	2.2	191	-7.1	19.2	80
2/8/2009 5:00	-5	1.0	2.2	160	-7.9	17.8	80
2/8/2009 6:00	3	1.1	2.5	176	-7.9	17.8	78
2/8/2009 7:00	-5	0.8	1.8	139	-8.6	16.5	79
2/8/2009 8:00	10	1.3	2.9	180	-8.9	16.0	78
2/8/2009 9:00	-5	1.6	3.6	179	-7.1	19.2	72
2/8/2009 10:00	2	2.3	5.1	162	-3.9	25.0	66
2/8/2009 11:00	2	3.4	7.6	197	-1.0	30.2	54
2/8/2009 12:00	-5	3.0	6.7	212	1.7	35.1	47
2/8/2009 13:00	17	1.9	4.3	196	4.2	39.6	41
2/8/2009 14:00	11	1.6	3.6	21	4.9	40.8	42
2/8/2009 15:00	-3	1.8	4.0	4	4.7	40.5	42

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/8/2009 16:00	3	1.8	4.0	0	4.8	40.6	41
2/8/2009 17:00	5	1.5	3.4	7	4.0	39.2	43
2/8/2009 18:00	-5	1.1	2.5	331	0.7	33.3	56
2/8/2009 19:00	-6	0.8	1.8	332	-2.8	27.0	70
2/8/2009 20:00	5	0.6	1.3	298	-4.8	23.4	78
2/8/2009 21:00	-1	0.8	1.8	207	-4.6	23.7	79
2/8/2009 22:00	6	0.7	1.6	129	-5.0	23.0	83
2/8/2009 23:00	-2	0.8	1.8	158	-5.3	22.5	85
2/9/2009 0:00	27	0.8	1.8	159	-5.2	22.6	83
2/9/2009 1:00	-5	0.5	1.1	69	-5.5	22.1	84
2/9/2009 2:00	18	0.7	1.6	315	-6.8	19.8	85
2/9/2009 3:00	5	0.6	1.3	170	-6.8	19.8	87
2/9/2009 4:00	9	0.8	1.8	343	-5.4	22.3	84
2/9/2009 5:00	14	1.2	2.7	360	-5.1	22.8	83
2/9/2009 6:00	14	0.7	1.6	67	-6.8	19.8	85
2/9/2009 7:00	5	0.7	1.6	142	-6.6	20.1	86
2/9/2009 8:00	19	0.7	1.6	234	-5.8	21.6	85
2/9/2009 9:00	3	0.5	1.1	4	-6.8	19.8	85
2/9/2009 10:00	19	0.6	1.3	314	-2.3	27.9	71
2/9/2009 11:00	6	0.9	2.0	96	0.8	33.4	60
2/9/2009 12:00	6	1.3	2.9	27	2.6	36.7	52
2/9/2009 13:00	1	1.8	4.0	27	3.9	39.0	47
2/9/2009 14:00	-2	1.6	3.6	43	3.1	37.6	48
2/9/2009 15:00	-5	1.5	3.4	47	2.7	36.9	47
2/9/2009 16:00	5	1.4	3.1	39	2.5	36.5	49
2/9/2009 17:00	-1	1.5	3.4	33	1.2	34.2	53
2/9/2009 18:00	0	1.6	3.6	21	0.0	32.0	55
2/9/2009 19:00	6	1.7	3.8	14	-1.1	30.0	64
2/9/2009 20:00	1	0.9	2.0	24	-2.4	27.7	70
2/9/2009 21:00	-3	0.8	1.8	1	-2.8	27.0	72
2/9/2009 22:00	2	1.1	2.5	31	-2.3	27.9	73
2/9/2009 23:00	-5	0.9	2.0	35	-2.2	28.0	72
2/10/2009 0:00	15	0.8	1.8	43	-2.3	27.9	69
2/10/2009 1:00	-5	1.2	2.7	48	-2.6	27.3	67
2/10/2009 2:00	4	1.1	2.5	48	-2.8	27.0	67
2/10/2009 3:00	4	1.3	2.9	54	-3.2	26.2	64
2/10/2009 4:00	19	0.8	1.8	50	-4.5	23.9	67
2/10/2009 5:00	-5	0.9	2.0	324	-6.3	20.7	72
2/10/2009 6:00	-2	0.8	1.8	81	-7.0	19.4	72
2/10/2009 7:00	2	1.1	2.5	271	-6.8	19.8	68
2/10/2009 8:00	-3	1.3	2.9	284	-6.7	19.9	63
2/10/2009 9:00	-5	0.8	1.8	296	-6.8	19.8	65
2/10/2009 10:00	12	1.2	2.7	54	-3.2	26.2	50
2/10/2009 11:00	1	1.4	3.1	37	-2.2	28.0	43
2/10/2009 12:00	-4	1.3	2.9	325	-2.2	28.0	40
2/10/2009 13:00	-5	1.5	3.4	101	-0.5	31.1	32
2/10/2009 14:00	9	2.2	4.9	103	-0.4	31.3	31
2/10/2009 15:00	-3	1.9	4.3	63	0.5	32.9	30
2/10/2009 16:00	-2	1.4	3.1	246	0.2	32.4	29
2/10/2009 17:00	0	1.4	3.1	287	-0.2	31.6	29
2/10/2009 18:00	-4	1.1	2.5	347	-2.7	27.1	43
2/10/2009 19:00	4	0.6	1.3	17	-5.7	21.7	57
2/10/2009 20:00	-5	0.6	1.3	285	-6.9	19.6	63
2/10/2009 21:00	-2	0.8	1.8	261	-7.6	18.3	71
2/10/2009 22:00	1	0.6	1.3	185	-8.5	16.7	74
2/10/2009 23:00	-1	0.7	1.6	162	-8.4	16.9	72
2/11/2009 0:00	-2	1.2	2.7	173	-7.9	17.8	63
2/11/2009 1:00	-5	1.1	2.5	203	-8.7	16.3	66
2/11/2009 2:00	16	1.0	2.2	187	-9.3	15.3	65
2/11/2009 3:00	-5	1.4	3.1	180	-9.9	14.2	66
2/11/2009 4:00	2	1.3	2.9	169	-8.9	16.0	65
2/11/2009 5:00	-5	1.3	2.9	188	-7.8	18.0	63
2/11/2009 6:00	2	1.1	2.5	179	-8.0	17.6	65
2/11/2009 7:00	2	1.3	2.9	136	-7.6	18.3	65
2/11/2009 8:00	-3	1.2	2.7	228	-7.1	19.2	64
2/11/2009 9:00	2	0.8	1.8	304	-7.2	19.0	67
2/11/2009 10:00	-5	1.2	2.7	1	-5.7	21.7	62
2/11/2009 11:00	AH	3.9	8.7	199	-1.9	28.6	49
2/11/2009 12:00	-5	3.6	8.1	209	-0.7	30.7	46
2/11/2009 13:00	19	1.8	4.0	257	-0.1	31.8	45
2/11/2009 14:00	4	2.7	6.0	202	0.9	33.6	43
2/11/2009 15:00	-3	2.5	5.6	200	0.9	33.6	44
2/11/2009 16:00	4	1.5	3.4	17	0.1	32.2	47
2/11/2009 17:00	4	1.4	3.1	8	-0.5	31.1	50
2/11/2009 18:00	2	1.3	2.9	3	-2.1	28.2	58
2/11/2009 19:00	1	0.8	1.8	300	-3.8	25.2	68
2/11/2009 20:00	8	0.7	1.6	306	-5.7	21.7	77
2/11/2009 21:00	-2	0.9	2.0	297	-6.3	20.7	80
2/11/2009 22:00	15	0.8	1.8	172	-6.3	20.7	81
2/11/2009 23:00	8	1.0	2.2	137	-7.0	19.4	80
2/12/2009 0:00	-4	1.4	3.1	177	-7.4	18.7	77
2/12/2009 1:00	2	1.7	3.8	170	-7.3	18.9	74
2/12/2009 2:00	-4	1.8	4.0	169	-6.8	19.8	71
2/12/2009 3:00	-5	2.0	4.5	177	-6.0	21.2	70
2/12/2009 4:00	-5	2.1	4.7	184	-5.6	21.9	69
2/12/2009 5:00	-5	1.9	4.3	180	-5.5	22.1	67
2/12/2009 6:00	15	1.7	3.8	163	-7.6	18.3	73
2/12/2009 7:00	-1	1.7	3.8	164	-8.0	17.6	73
2/12/2009 8:00	-5	2.1	4.7	181	-7.9	17.8	72
2/12/2009 9:00	-5	2.2	4.9	172	-6.9	19.6	68
2/12/2009 10:00	3	2.5	5.6	171	-4.8	23.4	63
2/12/2009 11:00	12	2.6	5.8	177	-1.9	28.6	50
2/12/2009 12:00	-5	2.1	4.7	183	-0.6	30.9	45
2/12/2009 13:00	BA	BA	BA	BA	BA	BA	BA

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/12/2009 14:00	BA	BA	BA	BA	BA	BA	BA
2/12/2009 15:00	18	1.7	3.8	4	1.1	34.0	42
2/12/2009 16:00	-3	1.6	3.6	1	0.7	33.3	44
2/12/2009 17:00	-2	1.6	3.6	353	-0.5	31.1	52
2/12/2009 18:00	-5	1.2	2.7	336	-1.9	28.6	59
2/12/2009 19:00	12	1.1	2.5	308	-3.6	25.5	68
2/12/2009 20:00	1	0.6	1.3	340	-4.5	23.9	75
2/12/2009 21:00	10	0.3	0.7	80	-5.6	21.9	78
2/12/2009 22:00	3	0.3	0.7	94	-6.5	20.3	82
2/12/2009 23:00	6	0.5	1.1	246	-8.2	17.2	86
2/13/2009 0:00	10	0.8	1.8	168	-9.1	15.6	84
2/13/2009 1:00	3	1.0	2.2	152	-9.6	14.7	80
2/13/2009 2:00	3	1.0	2.2	147	-10.2	13.6	81
2/13/2009 3:00	-5	1.0	2.2	181	-10.3	13.5	81
2/13/2009 4:00	22	1.1	2.5	176	-10.5	13.1	80
2/13/2009 5:00	-5	1.3	2.9	185	-11.0	12.2	79
2/13/2009 6:00	1	1.4	3.1	180	-11.3	11.7	79
2/13/2009 7:00	-2	1.8	4.0	163	-11.0	12.2	76
2/13/2009 8:00	7	1.3	2.9	197	-11.7	10.9	77
2/13/2009 9:00	-5	1.5	3.4	182	-9.8	14.4	70
2/13/2009 10:00	-5	2.0	4.5	176	-6.5	20.3	64
2/13/2009 11:00	-3	2.0	4.5	191	-3.6	25.5	54
2/13/2009 12:00	6	1.3	2.9	151	-1.5	29.3	48
2/13/2009 13:00	2	1.3	2.9	125	0.2	32.4	42
2/13/2009 14:00	3	1.2	2.7	145	1.7	35.1	37
2/13/2009 15:00	2	1.3	2.9	129	2.1	35.8	34
2/13/2009 16:00	-4	2.0	4.5	140	2.9	37.2	31
2/13/2009 17:00	-5	3.2	7.2	138	1.7	35.1	34
2/13/2009 18:00	-5	2.9	6.5	149	-0.3	31.5	41
2/13/2009 19:00	-5	2.1	4.7	128	-2.3	27.9	46
2/13/2009 20:00	3	0.7	1.6	344	-4.6	23.7	55
2/13/2009 21:00	3	0.7	1.6	319	-7.3	18.9	74
2/13/2009 22:00	19	0.7	1.6	87	-7.7	18.1	78
2/13/2009 23:00	1	0.7	1.6	259	-9.0	15.8	76
2/14/2009 0:00	1	0.7	1.6	170	-9.0	15.8	74
2/14/2009 1:00	0	1.1	2.5	254	-9.8	14.4	72
2/14/2009 2:00	2	0.7	1.6	222	-10.2	13.6	75
2/14/2009 3:00	-5	0.5	1.1	131	-9.9	14.2	78
2/14/2009 4:00	21	0.6	1.3	220	-11.9	10.6	80
2/14/2009 5:00	-5	0.6	1.3	135	-11.5	11.3	78
2/14/2009 6:00	4	0.8	1.8	143	-11.6	11.1	78
2/14/2009 7:00	4	0.7	1.6	312	-12.4	9.7	79
2/14/2009 8:00	-5	0.8	1.8	153	-12.6	9.3	79
2/14/2009 9:00	2	0.4	0.9	142	-10.1	13.8	76
2/14/2009 10:00	-5	0.8	1.8	150	-7.6	18.3	71
2/14/2009 11:00	-1	0.8	1.8	221	-5.3	22.5	62
2/14/2009 12:00	-5	1.1	2.5	32	-3.6	25.5	55
2/14/2009 13:00	2	1.0	2.2	27	-2.5	27.5	52
2/14/2009 14:00	1	1.1	2.5	84	-1.5	29.3	49
2/14/2009 15:00	5	1.2	2.7	39	-0.8	30.6	48
2/14/2009 16:00	3	1.3	2.9	23	-0.8	30.6	49
2/14/2009 17:00	6	1.3	2.9	6	-1.7	28.9	53
2/14/2009 18:00	8	1.4	3.1	349	-3.3	26.1	64
2/14/2009 19:00	15	0.6	1.3	10	-5.8	21.6	74
2/14/2009 20:00	4	0.5	1.1	254	-7.8	18.0	83
2/14/2009 21:00	15	0.6	1.3	277	-8.7	16.3	84
2/14/2009 22:00	-5	0.7	1.6	264	-10.2	13.6	84
2/14/2009 23:00	7	0.7	1.6	142	-10.1	13.8	84
2/15/2009 0:00	1	0.9	2.0	167	-9.5	14.9	82
2/15/2009 1:00	19	0.7	1.6	307	-8.7	16.3	81
2/15/2009 2:00	0	1.2	2.7	180	-7.0	19.4	78
2/15/2009 3:00	4	1.9	4.3	188	-5.7	21.7	71
2/15/2009 4:00	10	1.1	2.5	251	-7.5	18.5	72
2/15/2009 5:00	7	0.7	1.6	352	-11.0	12.2	81
2/15/2009 6:00	0	0.8	1.8	57	-10.2	13.6	83
2/15/2009 7:00	-5	1.3	2.9	15	-8.6	16.5	76
2/15/2009 8:00	-2	1.4	3.1	207	-7.1	19.2	69
2/15/2009 9:00	-5	2.2	4.9	145	-6.4	20.5	68
2/15/2009 10:00	-5	3.6	8.1	147	-3.4	25.9	58
2/15/2009 11:00	-2	3.6	8.1	164	-0.9	30.4	44
2/15/2009 12:00	5	3.7	8.3	163	0.8	33.4	36
2/15/2009 13:00	-1	4.0	8.9	183	2.1	35.8	30
2/15/2009 14:00	-3	3.2	7.2	186	2.3	36.1	30
2/15/2009 15:00	-5	3.6	8.1	174	1.4	34.5	33
2/15/2009 16:00	7	3.7	8.3	192	0.9	33.6	41
2/15/2009 17:00	-4	3.7	8.3	200	-0.2	31.6	54
2/15/2009 18:00	-5	3.3	7.4	195	-0.9	30.4	59
2/15/2009 19:00	-1	3.3	7.4	197	-1.0	30.2	59
2/15/2009 20:00	-2	3.0	6.7	191	-1.0	30.2	59
2/15/2009 21:00	-5	2.3	5.1	176	-1.2	29.8	58
2/15/2009 22:00	-2	2.5	5.6	167	-1.6	29.1	59
2/15/2009 23:00	3	3.9	8.7	144	-1.7	28.9	55
2/16/2009 0:00	0	3.6	8.1	158	-0.9	30.4	52
2/16/2009 1:00	14	2.6	5.8	192	-1.1	30.0	54
2/16/2009 2:00	-5	2.9	6.5	164	-0.5	31.1	50
2/16/2009 3:00	-5	3.7	8.3	144	-0.7	30.7	49
2/16/2009 4:00	0	3.4	7.6	142	-0.7	30.7	49
2/16/2009 5:00	-5	2.3	5.1	169	-0.9	30.4	50
2/16/2009 6:00	-3	3.2	7.2	148	-0.5	31.1	50
2/16/2009 7:00	-5	3.1	6.9	146	-0.4	31.3	50
2/16/2009 8:00	3	2.1	4.7	172	-0.9	30.4	51
2/16/2009 9:00	-5	2.3	5.1	166	-0.8	30.6	52
2/16/2009 10:00	3	2.9	6.5	159	1.1	34.0	47
2/16/2009 11:00	-4	3.4	7.6	170	2.4	36.3	42

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/16/2009 12:00	-5	3.4	7.6	170	4.6	40.3	38
2/16/2009 13:00	4	3.5	7.8	171	5.9	42.6	35
2/16/2009 14:00	-3	3.9	8.7	155	6.4	43.5	34
2/16/2009 15:00	5	3.3	7.4	163	6.5	43.7	33
2/16/2009 16:00	1	3.4	7.6	157	7.3	45.1	31
2/16/2009 17:00	-5	3.2	7.2	149	5.4	41.7	37
2/16/2009 18:00	5	2.5	5.6	142	4.1	39.4	42
2/16/2009 19:00	-5	2.6	5.8	136	1.9	35.4	49
2/16/2009 20:00	8	1.6	3.6	177	0.9	33.6	53
2/16/2009 21:00	0	2.1	4.7	171	1.3	34.3	50
2/16/2009 22:00	-3	2.1	4.7	140	1.3	34.3	49
2/16/2009 23:00	-5	1.1	2.5	278	-1.2	29.8	58
2/17/2009 0:00	6	1.3	2.9	261	-0.5	31.1	57
2/17/2009 1:00	3	0.8	1.8	355	-2.6	27.3	66
2/17/2009 2:00	7	0.7	1.6	338	-3.7	25.3	73
2/17/2009 3:00	-1	0.4	0.9	28	-3.8	25.2	75
2/17/2009 4:00	10	0.4	0.9	301	-4.4	24.1	78
2/17/2009 5:00	-2	0.7	1.6	287	-5.9	21.4	82
2/17/2009 6:00	7	0.4	0.9	140	-7.2	19.0	86
2/17/2009 7:00	8	0.3	0.7	121	-7.3	18.9	87
2/17/2009 8:00	-1	0.4	0.9	252	-7.8	18.0	85
2/17/2009 9:00	-5	0.4	0.9	159	-5.2	22.6	79
2/17/2009 10:00	8	0.7	1.6	79	-0.1	31.8	58
2/17/2009 11:00	8	1.2	2.7	356	0.4	32.7	58
2/17/2009 12:00	6	1.4	3.1	7	1.8	35.2	53
2/17/2009 13:00	3	1.3	2.9	24	3.4	38.1	48
2/17/2009 14:00	11	1.2	2.7	15	3.8	38.8	48
2/17/2009 15:00	14	1.2	2.7	16	4.9	40.8	44
2/17/2009 16:00	2	1.8	4.0	23	4.7	40.5	47
2/17/2009 17:00	-4	1.3	2.9	30	3.9	39.0	50
2/17/2009 18:00	-1	1.1	2.5	49	3.2	37.8	52
2/17/2009 19:00	7	0.7	1.6	116	1.8	35.2	57
2/17/2009 20:00	-4	0.8	1.8	148	0.8	33.4	61
2/17/2009 21:00	5	0.9	2.0	52	0.7	33.3	62
2/17/2009 22:00	-2	0.5	1.1	357	0.3	32.5	68
2/17/2009 23:00	3	0.8	1.8	255	-0.5	31.1	73
2/18/2009 0:00	-5	2.0	4.5	242	0.2	32.4	68
2/18/2009 1:00	2	2.9	6.5	249	1.4	34.5	60
2/18/2009 2:00	2	1.1	2.5	323	0.2	32.4	70
2/18/2009 3:00	2	1.7	3.8	250	0.3	32.5	70
2/18/2009 4:00	1	3.4	7.6	243	0.7	33.3	67
2/18/2009 5:00	3	3.7	8.3	241	0.9	33.6	65
2/18/2009 6:00	-5	3.5	7.8	243	1.0	33.8	62
2/18/2009 7:00	9	1.5	3.4	298	-0.3	31.5	71
2/18/2009 8:00	-4	0.8	1.8	301	-1.5	29.3	78
2/18/2009 9:00	-1	1.0	2.2	192	-1.1	30.0	77
2/18/2009 10:00	-5	4.0	8.9	252	1.9	35.4	56
2/18/2009 11:00	-4	2.7	6.0	276	2.8	37.0	53
2/18/2009 12:00	6	2.0	4.5	304	3.1	37.6	51
2/18/2009 13:00	-4	3.6	8.1	263	3.7	38.7	48
2/18/2009 14:00	11	2.5	5.6	281	3.9	39.0	47
2/18/2009 15:00	-1	3.1	6.9	283	4.6	40.3	43
2/18/2009 16:00	-2	3.3	7.4	270	3.7	38.7	50
2/18/2009 17:00	7	2.6	5.8	243	3.5	38.3	52
2/18/2009 18:00	-4	1.8	4.0	295	2.3	36.1	55
2/18/2009 19:00	5	1.0	2.2	326	0.7	33.3	62
2/18/2009 20:00	10	0.5	1.1	80	0.0	32.0	69
2/18/2009 21:00	-5	0.8	1.8	184	0.0	32.0	67
2/18/2009 22:00	7	0.7	1.6	248	-0.8	30.6	73
2/18/2009 23:00	-5	1.3	2.9	252	0.0	32.0	66
2/19/2009 0:00	-4	2.2	4.9	231	0.9	33.6	57
2/19/2009 1:00	2	2.3	5.1	229	0.7	33.3	58
2/19/2009 2:00	-1	2.2	4.9	226	0.1	32.2	60
2/19/2009 3:00	-5	1.9	4.3	204	-0.8	30.6	64
2/19/2009 4:00	5	1.5	3.4	165	-2.0	28.4	69
2/19/2009 5:00	1	1.7	3.8	177	-1.6	29.1	69
2/19/2009 6:00	3	2.0	4.5	192	-0.7	30.7	65
2/19/2009 7:00	1	2.7	6.0	225	0.3	32.5	58
2/19/2009 8:00	-4	2.5	5.6	215	0.2	32.4	57
2/19/2009 9:00	1	2.3	5.1	196	0.4	32.7	56
2/19/2009 10:00	-5	2.7	6.0	195	2.1	35.8	50
2/19/2009 11:00	5	4.4	9.8	248	4.4	39.9	38
2/19/2009 12:00	-1	4.8	10.7	245	5.4	41.7	35
2/19/2009 13:00	1	4.6	10.3	222	5.9	42.6	35
2/19/2009 14:00	5	4.7	10.5	197	6.3	43.3	34
2/19/2009 15:00	4	5.1	11.4	200	6.3	43.3	33
2/19/2009 16:00	2	4.7	10.5	207	6.4	43.5	33
2/19/2009 17:00	-4	3.7	8.3	212	5.6	42.1	34
2/19/2009 18:00	-5	3.3	7.4	207	3.8	38.8	37
2/19/2009 19:00	-1	3.0	6.7	198	3.1	37.6	39
2/19/2009 20:00	0	2.0	4.5	195	2.6	36.7	41
2/19/2009 21:00	-5	1.2	2.7	155	1.6	34.9	45
2/19/2009 22:00	-2	1.3	2.9	170	0.3	32.5	50
2/19/2009 23:00	-5	1.5	3.4	215	1.1	34.0	48
2/20/2009 0:00	3	0.9	2.0	218	-0.5	31.1	52
2/20/2009 1:00	-1	2.1	4.7	242	1.8	35.2	44
2/20/2009 2:00	-4	2.4	5.4	225	1.8	35.2	45
2/20/2009 3:00	-5	2.4	5.4	245	0.9	33.6	47
2/20/2009 4:00	-1	3.0	6.7	238	1.2	34.2	47
2/20/2009 5:00	1	2.7	6.0	237	1.5	34.7	47
2/20/2009 6:00	0	1.8	4.0	250	1.3	34.3	50
2/20/2009 7:00	-5	1.2	2.7	280	-0.5	31.1	56
2/20/2009 8:00	7	2.3	5.1	298	0.5	32.9	51
2/20/2009 9:00	-1	1.4	3.1	37	-0.2	31.6	58

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/20/2009 10:00	4	2.0	4.5	29	1.0	33.8	56
2/20/2009 11:00	28	2.9	6.5	14	3.0	37.4	47
2/20/2009 12:00	18	3.0	6.7	18	3.7	38.7	42
2/20/2009 13:00	12	2.6	5.8	32	4.5	40.1	37
2/20/2009 14:00	11	2.6	5.8	31	4.7	40.5	36
2/20/2009 15:00	5	2.5	5.6	27	4.7	40.5	34
2/20/2009 16:00	BA	BA	BA	BA	4.7	40.5	34
2/20/2009 17:00	11	BA	BA	BA	3.8	38.8	36
2/20/2009 18:00	2	0.6	1.3	14	2.4	36.3	41
2/20/2009 19:00	-5	1.0	2.2	237	-2.5	27.5	61
2/20/2009 20:00	6	0.8	1.8	183	-4.4	24.1	69
2/20/2009 21:00	0	1.1	2.5	147	-4.6	23.7	70
2/20/2009 22:00	12	1.1	2.5	135	-5.8	21.6	76
2/20/2009 23:00	-5	0.7	1.6	175	-6.1	21.0	77
2/21/2009 0:00	9	1.2	2.7	168	-5.9	21.4	76
2/21/2009 1:00	2	1.4	3.1	174	-5.8	21.6	74
2/21/2009 2:00	8	0.9	2.0	188	-6.7	19.9	76
2/21/2009 3:00	-1	1.4	3.1	179	-6.5	20.3	75
2/21/2009 4:00	2	1.1	2.5	171	-7.0	19.4	76
2/21/2009 5:00	-1	0.7	1.6	184	-7.2	19.0	75
2/21/2009 6:00	-5	0.7	1.6	156	-8.8	16.2	82
2/21/2009 7:00	8	0.5	1.1	352	-8.9	16.0	81
2/21/2009 8:00	-5	0.6	1.3	152	-9.8	14.4	83
2/21/2009 9:00	16	0.7	1.6	118	-5.9	21.4	73
2/21/2009 10:00	-4	1.6	3.6	125	-1.8	28.8	59
2/21/2009 11:00	-4	3.3	7.4	170	3.6	38.5	38
2/21/2009 12:00	11	3.8	8.5	168	6.0	42.8	29
2/21/2009 13:00	2	3.9	8.7	172	7.7	45.9	24
2/21/2009 14:00	-1	3.5	7.8	174	9.0	48.2	21
2/21/2009 15:00	1	3.2	7.2	179	9.9	49.8	17
2/21/2009 16:00	0	3.7	8.3	193	10.1	50.2	15
2/21/2009 17:00	1	2.7	6.0	201	9.3	48.7	18
2/21/2009 18:00	-5	1.4	3.1	11	4.5	40.1	40
2/21/2009 19:00	4	1.1	2.5	308	-1.2	29.8	55
2/21/2009 20:00	7	0.6	1.3	195	-2.6	27.3	63
2/21/2009 21:00	2	0.5	1.1	156	-2.6	27.3	66
2/21/2009 22:00	7	0.8	1.8	141	-3.7	25.3	71
2/21/2009 23:00	12	1.1	2.5	148	-4.4	24.1	70
2/22/2009 0:00	5	1.2	2.7	163	-4.9	23.2	71
2/22/2009 1:00	7	1.2	2.7	150	-5.7	21.7	71
2/22/2009 2:00	2	1.1	2.5	145	-5.0	23.0	72
2/22/2009 3:00	-2	1.2	2.7	139	-4.6	23.7	70
2/22/2009 4:00	-5	1.8	4.0	156	-3.8	25.2	69
2/22/2009 5:00	9	1.0	2.2	68	-3.5	25.7	66
2/22/2009 6:00	12	0.8	1.8	7	-7.2	19.0	78
2/22/2009 7:00	-4	0.6	1.3	209	-8.6	16.5	83
2/22/2009 8:00	-5	0.5	1.1	302	-8.9	16.0	82
2/22/2009 9:00	14	0.6	1.3	58	-5.3	22.5	71
2/22/2009 10:00	2	1.6	3.6	160	1.0	33.8	53
2/22/2009 11:00	8	2.4	5.4	172	7.2	45.0	31
2/22/2009 12:00	1	3.7	8.3	156	8.7	47.7	28
2/22/2009 13:00	1	3.9	8.7	156	10.1	50.2	25
2/22/2009 14:00	6	4.0	8.9	165	11.3	52.3	22
2/22/2009 15:00	1	4.0	8.9	182	12.1	53.8	21
2/22/2009 16:00	2	3.7	8.3	162	11.3	52.3	25
2/22/2009 17:00	-5	3.2	7.2	154	9.9	49.8	28
2/22/2009 18:00	9	2.6	5.8	172	8.7	47.7	30
2/22/2009 19:00	-1	1.8	4.0	166	7.2	45.0	36
2/22/2009 20:00	7	1.8	4.0	162	6.4	43.5	41
2/22/2009 21:00	-2	1.5	3.4	220	5.6	42.1	43
2/22/2009 22:00	2	2.1	4.7	197	6.0	42.8	43
2/22/2009 23:00	1	2.6	5.8	179	6.4	43.5	42
2/23/2009 0:00	7	2.7	6.0	166	5.7	42.3	43
2/23/2009 1:00	-5	3.4	7.6	156	5.8	42.4	43
2/23/2009 2:00	2	3.2	7.2	171	6.1	43.0	40
2/23/2009 3:00	2	2.8	6.3	173	5.5	41.9	43
2/23/2009 4:00	5	3.7	8.3	170	6.0	42.8	44
2/23/2009 5:00	18	4.6	10.3	193	5.2	41.4	57
2/23/2009 6:00	0	4.2	9.4	177	4.7	40.5	64
2/23/2009 7:00	3	4.2	9.4	175	4.5	40.1	66
2/23/2009 8:00	-5	3.8	8.5	173	4.0	39.2	68
2/23/2009 9:00	21	3.3	7.4	178	4.7	40.5	65
2/23/2009 10:00	0	3.7	8.3	189	6.6	43.9	57
2/23/2009 11:00	11	5.6	12.5	206	8.3	46.9	49
2/23/2009 12:00	9	5.1	11.4	203	10.0	50.0	42
2/23/2009 13:00	-4	5.5	12.3	210	11.1	52.0	38
2/23/2009 14:00	1	5.6	12.5	210	11.4	52.5	36
2/23/2009 15:00	-2	4.6	10.3	207	11.3	52.3	36
2/23/2009 16:00	-1	4.8	10.7	211	10.6	51.1	38
2/23/2009 17:00	2	3.6	8.1	208	10.6	51.1	37
2/23/2009 18:00	-2	3.7	8.3	193	9.7	49.5	40
2/23/2009 19:00	-5	2.5	5.6	160	6.6	43.9	51
2/23/2009 20:00	-3	2.4	5.4	161	6.0	42.8	54
2/23/2009 21:00	-4	2.4	5.4	160	5.4	41.7	56
2/23/2009 22:00	3	3.7	8.3	173	6.5	43.7	53
2/23/2009 23:00	-5	4.1	9.2	190	5.8	42.4	55
2/24/2009 0:00	9	4.0	8.9	184	6.8	44.2	50
2/24/2009 1:00	0	3.4	7.6	206	4.8	40.6	71
2/24/2009 2:00	-3	2.1	4.7	193	4.1	39.4	78
2/24/2009 3:00	6	3.1	6.9	166	3.6	38.5	82
2/24/2009 4:00	-5	2.7	6.0	180	3.5	38.3	81
2/24/2009 5:00	-5	1.8	4.0	358	2.4	36.3	83
2/24/2009 6:00	14	0.8	1.8	75	0.7	33.3	90
2/24/2009 7:00	13	0.3	0.7	96	0.1	32.2	89

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly (µg/m³)	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/24/2009 8:00	-5	0.3	0.7	167	-1.8	28.8	89
2/24/2009 9:00	22	0.7	1.6	156	0.1	32.2	83
2/24/2009 10:00	-1	1.9	4.3	179	2.3	36.1	77
2/24/2009 11:00	-1	4.2	9.4	216	3.8	38.8	70
2/24/2009 12:00	-1	3.3	7.4	210	5.0	41.0	70
2/24/2009 13:00	6	6.1	13.6	193	6.6	43.9	58
2/24/2009 14:00	1	4.2	9.4	224	7.1	44.8	49
2/24/2009 15:00	2	5.9	13.2	241	7.0	44.6	44
2/24/2009 16:00	1	4.0	8.9	229	6.5	43.7	50
2/24/2009 17:00	-1	3.1	6.9	224	6.3	43.3	49
2/24/2009 18:00	-5	2.8	6.3	224	3.8	38.8	61
2/24/2009 19:00	7	2.3	5.1	175	2.0	35.6	73
2/24/2009 20:00	-2	2.0	4.5	153	1.7	35.1	76
2/24/2009 21:00	2	2.4	5.4	168	2.4	36.3	69
2/24/2009 22:00	6	2.0	4.5	200	1.7	35.1	69
2/24/2009 23:00	-5	1.7	3.8	194	0.7	33.3	73
2/25/2009 0:00	5	2.0	4.5	183	1.5	34.7	66
2/25/2009 1:00	-4	3.5	7.8	204	2.2	36.0	62
2/25/2009 2:00	-4	4.2	9.4	198	2.4	36.3	59
2/25/2009 3:00	1	4.7	10.5	199	2.5	36.5	57
2/25/2009 4:00	4	5.2	11.6	200	2.3	36.1	57
2/25/2009 5:00	-2	4.3	9.6	196	2.1	35.8	57
2/25/2009 6:00	-5	3.5	7.8	193	2.2	36.0	56
2/25/2009 7:00	-5	2.7	6.0	156	2.0	35.6	56
2/25/2009 8:00	-3	3.6	8.1	139	2.7	36.9	52
2/25/2009 9:00	-5	3.3	7.4	172	3.3	37.9	49
2/25/2009 10:00	11	3.1	6.9	199	4.9	40.8	44
2/25/2009 11:00	-5	2.4	5.4	217	5.2	41.4	45
2/25/2009 12:00	1	3.8	8.5	188	6.0	42.8	40
2/25/2009 13:00	1	4.4	9.8	189	5.8	42.4	43
2/25/2009 14:00	-5	4.4	9.8	194	6.8	44.2	42
2/25/2009 15:00	1	3.7	8.3	194	6.7	44.1	42
2/25/2009 16:00	-5	3.6	8.1	199	5.8	42.4	48
2/25/2009 17:00	3	2.1	4.7	157	5.2	41.4	49
2/25/2009 18:00	4	0.7	1.6	57	4.3	39.7	54
2/25/2009 19:00	6	2.5	5.6	219	1.5	34.7	80
2/25/2009 20:00	12	0.4	0.9	162	0.2	32.4	89
2/25/2009 21:00	-5	0.3	0.7	149	-0.7	30.7	87
2/25/2009 22:00	8	0.3	0.7	167	0.0	32.0	81
2/25/2009 23:00	12	0.5	1.1	166	0.5	32.9	74
2/26/2009 0:00	-5	0.3	0.7	160	0.0	32.0	72
2/26/2009 1:00	4	1.1	2.5	171	0.5	32.9	67
2/26/2009 2:00	-4	2.1	4.7	165	0.2	32.4	65
2/26/2009 3:00	-1	2.7	6.0	154	0.0	32.0	64
2/26/2009 4:00	-1	2.8	6.3	138	0.2	32.4	63
2/26/2009 5:00	-5	3.2	7.2	140	-0.7	30.7	66
2/26/2009 6:00	-1	2.9	6.5	139	-0.8	30.6	67
2/26/2009 7:00	-5	2.2	4.9	173	-0.4	31.3	63
2/26/2009 8:00	-5	3.1	6.9	187	0.4	32.7	60
2/26/2009 9:00	1	3.2	7.2	186	2.3	36.1	49
2/26/2009 10:00	4	4.1	9.2	147	3.1	37.6	48
2/26/2009 11:00	-2	3.2	7.2	151	3.5	38.3	47
2/26/2009 12:00	14	2.7	6.0	220	3.0	37.4	55
2/26/2009 13:00	23	1.8	4.0	33	-0.7	30.7	82
2/26/2009 14:00	6	1.1	2.5	341	-0.1	31.8	83
2/26/2009 15:00	24	2.2	4.9	293	-0.6	30.9	86
2/26/2009 16:00	38	1.9	4.3	41	-2.0	28.4	88
2/26/2009 17:00	99	1.7	3.8	51	-2.9	26.8	87
2/26/2009 18:00	25	1.6	3.6	49	-3.5	25.7	87
2/26/2009 19:00	32	1.5	3.4	34	-3.9	25.0	87
2/26/2009 20:00	37	1.5	3.4	38	-4.9	23.2	86
2/26/2009 21:00	0	1.3	2.9	50	-5.7	21.7	85
2/26/2009 22:00	-5	1.5	3.4	35	-6.3	20.7	84
2/26/2009 23:00	17	1.2	2.7	47	-6.5	20.3	84
2/27/2009 0:00	10	0.9	2.0	64	-6.8	19.8	84
2/27/2009 1:00	-5	0.7	1.6	95	-6.6	20.1	84
2/27/2009 2:00	5	0.6	1.3	64	-6.6	20.1	84
2/27/2009 3:00	-4	0.7	1.6	66	-6.6	20.1	84
2/27/2009 4:00	-3	1.7	3.8	225	-6.4	20.5	80
2/27/2009 5:00	-5	3.3	7.4	239	-6.3	20.7	69
2/27/2009 6:00	5	3.2	7.2	239	-6.7	19.9	62
2/27/2009 7:00	-5	1.1	2.5	293	-8.6	16.5	71
2/27/2009 8:00	-1	0.8	1.8	121	-11.1	12.0	77
2/27/2009 9:00	-5	0.7	1.6	248	-10.6	12.9	70
2/27/2009 10:00	4	0.8	1.8	318	-5.6	21.9	58
2/27/2009 11:00	-5	0.9	2.0	15	-5.2	22.6	57
2/27/2009 12:00	-4	1.8	4.0	69	-3.4	25.9	53
2/27/2009 13:00	2	2.0	4.5	103	-2.2	28.0	47
2/27/2009 14:00	4	1.6	3.6	54	-1.2	29.8	45
2/27/2009 15:00	-5	1.9	4.3	33	-1.4	29.5	48
2/27/2009 16:00	-3	1.7	3.8	31	-1.6	29.1	49
2/27/2009 17:00	-5	1.6	3.6	6	-1.9	28.6	51
2/27/2009 18:00	3	1.2	2.7	349	-3.3	26.1	57
2/27/2009 19:00	2	0.4	0.9	97	-6.7	19.9	73
2/27/2009 20:00	-5	0.5	1.1	190	-9.5	14.9	82
2/27/2009 21:00	-2	0.6	1.3	144	-11.1	12.0	83
2/27/2009 22:00	4	0.9	2.0	131	-11.0	12.2	81
2/27/2009 23:00	-5	1.0	2.2	151	-11.3	11.7	80
2/28/2009 0:00	5	1.0	2.2	167	-11.2	11.8	80
2/28/2009 1:00	11	0.5	1.1	19	-12.7	9.1	80
2/28/2009 2:00	-5	0.4	0.9	320	-13.8	7.2	81
2/28/2009 3:00	-1	0.3	0.7	355	-14.7	5.5	79
2/28/2009 4:00	5	0.4	0.9	332	-15.3	4.5	79
2/28/2009 5:00	-5	0.3	0.7	336	-15.8	3.6	78

Date & Time Mountain Standard Time (data for hour ending)	PM10 Hourly ( $\mu\text{g}/\text{m}^3$ )	Wind Speed Hourly (meters per second)	Wind Speed Hourly (miles per hour)	Wind Direction Hourly (degrees true)	Air Temperature Hourly (Celsius)	Air Temperature Hourly (Fahrenheit)	Relative Humidity Hourly (percent)
2/28/2009 6:00	3	0.5	1.1	81	-15.5	4.1	78
2/28/2009 7:00	10	0.5	1.1	338	-16.1	3.0	77
2/28/2009 8:00	-5	0.3	0.7	128	-16.6	2.1	76
2/28/2009 9:00	19	0.4	0.9	355	-12.1	10.2	79
2/28/2009 10:00	0	0.6	1.3	12	-9.6	14.7	73
2/28/2009 11:00	1	1.1	2.5	10	-7.2	19.0	67
2/28/2009 12:00	19	1.3	2.9	20	-5.1	22.8	59
2/28/2009 13:00	15	1.6	3.6	1	-3.0	26.6	55
2/28/2009 14:00	5	1.7	3.8	356	-1.8	28.8	55
2/28/2009 15:00	19	1.4	3.1	9	-0.3	31.5	51
2/28/2009 16:00	3	1.4	3.1	4	0.7	33.3	48
2/28/2009 17:00	-2	1.4	3.1	354	0.4	32.7	48
2/28/2009 18:00	-4	0.7	1.6	330	-1.7	28.9	60
2/28/2009 19:00	12	0.4	0.9	157	-3.5	25.7	71
2/28/2009 20:00	-5	0.4	0.9	116	-4.2	24.4	77
2/28/2009 21:00	9	0.5	1.1	178	-4.1	24.6	78
2/28/2009 22:00	6	1.1	2.5	210	-1.7	28.9	63
2/28/2009 23:00	-1	1.7	3.8	343	-3.4	25.9	68
3/1/2009 0:00	6	0.9	2.0	315	-5.4	22.3	74

AH = Sample flow rate out of limits

BA = Routine maintenance / repairs